Correct

A	Multiply.		# Correct
1	12 x 10 =	23	34 x 10 =
2	14 x 10 =	24	134 x 10 =
3	15 x 10 =	25	234 x 10 =
4	17 x 10 =	26	334 x 10 =
5	81 x 10 =	27	834 x 10 =
6	10 x 81 =	28	10 x 834 =
7	21 x 10 =	29	45 x 10 =
8	22 x 10 =	30	145 x 10 =
9	23 x 10 =	31	245 x 10 =
10	29 x 10 =	32	345 x 10 =
11	92 x 10 =	33	945 x 10 =
12	10 x 92 =	34	56 x 10 =
13	18 x 10 =	35	456 x 10 =
14	19 x 10 =	36	556 x 10 =
15	20 x 10 =	37	950 x 10 =
16	30 x 10 =	38	10 x 950 =
17	40 x 10 =	39	16 x 10 =
18	80 x 10 =	40	10 x 60 =
19	10 x 80 =	41	493 x 10 =
20	10 x 50 =	42	10 x 84 =
21	10 x 90 =	43	96 x 10 =
22	10 x 70 =	44	10 x 580 =

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В	Multiply.	Improvemen	t # Correct
1	13 x 10 =	23	43 x 10 =
2	14 x 10 =	24	143 x 10 =
3	15 x 10 =	25	243 x 10 =
4	19 x 10 =	26	343 x 10 =
5	91 x 10 =	27	743 x 10 =
6	10 x 91 =	28	10 x 743 =
7	31 x 10 =	29	54 x 10 =
8	32 x 10 =	30	154 x 10 =
9	33 x 10 =	31	254 x 10 =
10	38 x 10 =	32	354 x 10 =
11	83 x 10 =	33	854 x 10 =
12	10 x 83 =	34	65 x 10 =
13	28 x 10 =	35	465 x 10 =
14	29 x 10 =	36	565 x 10 =
15	30 x 10 =	37	960 x 10 =
16	40 x 10 =	38	10 x 960 =
17	50 x 10 =	39	17 x 10 =
18	90 x 10 =	40	10 x 70 =
19	10 x 90 =	41	582 x 10 =
20	10 x 20 =	42	10 x 73 =
21	10 x 60 =	43	98 x 10 =
22	10 x 80 =	44	10 x 470 =

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Α	Multiply.			# Correct
1	1 x 3 =	23	10 x 3 =	
2	3 x 1 =	24	9 x 3 =	
3	2 x 3 =	25	4 x 3 =	
4	3 x 2 =	26	8 x 3 =	
5	3 x 3 =	27	5 x 3 =	
6	4 x 3 =	28	7 x 3 =	
7	3 x 4 =	29	6 x 3 =	
8	5 x 3 =	30	3 x 10 =	
9	3 x 5 =	31	3 x 5 =	
10	6 x 3 =	32	3 x 6 =	
11	3 x 6 =	33	3 x 1 =	
12	7 x 3 =	34	3 x 9 =	
13	3 x 7 =	35	3 x 4 =	
14	8 x 3 =	36	3 x 3 =	
15	3 x 8 =	37	3 x 2 =	
16	9 x 3 =	38	3 x 7 =	
17	3 x 9 =	39	3 x 8 =	
18	10 x 3 =	40	11 x 3 =	
19	3 x 10 =	41	3 x 11 =	
20	3 x 3 =	42	12 x 3 =	
21	1 x 3 =	43	3 x 13 =	
22	2 x 3 =	44	13 x 3 =	

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Lesson 3:

Date:

В	Multiply.	Improvement	t	# Correct
1	3 x 1 =	23	9 x 3 =	
2	1 x 3 =	24	3 x 3 =	
3	3 x 2 =	25	8 x 3 =	
4	2 x 3 =	26	4 x 3 =	
5	3 x 3 =	27	7 x 3 =	
6	3 x 4 =	28	5 x 3 =	
7	4 x 3 =	29	6 x 3 =	
8	3 x 5 =	30	3 x 5 =	
9	5 x 3 =	31	3 x 10 =	
10	3 x 6 =	32	3 x 1 =	
11	6 x 3 =	33	3 x 6 =	
12	3 x 7 =	34	3 x 4 =	
13	7 x 3 =	35	3 x 9 =	
14	3 x 8 =	36	3 x 2 =	
15	8 x 3 =	37	3 x 7 =	
16	3 x 9 =	38	3 x 3 =	
17	9 x 3 =	39	3 x 8 =	
18	3 x 10 =	40	11 x 3 =	
19	10 x 3 =	41	3 x 11 =	
20	1 x 3 =	42	13 x 3 =	
21	10 x 3 =	43	3 x 13 =	
22	2 x 3 =	44	12 x 3 =	

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Correct _____

	Multiply.					
1	62.3 x 10 =		23	4.1 x 1000 =		
2	62.3 x 100 =		24	7.6 x 1000 =		
3	62.3 x 1000 =		25	0.01 x 1000 =		
4	73.6 x 10 =		26	0.07 x 1000 =		
5	73.6 x 100 =		27	0.072 x 100 =		
6	73.6 x 1000 =		28	0.802 x 10 =		
7	0.6 x 10 =		29	0.019 x 1000 =		

30

31

32

33

7.412 x 1000 =

 $6.8 \times 100 =$

4.901 x 10 =

16.07 x 100 =

 $3.2 \times 30 =$

 $1.3 \times 30 =$

 $3.12 \times 40 =$

14.12 x 40 =

1		l I			
12	0.3 x 1000 =		34	9.19 x 10 =	
13	0.02 x 10 =		35	18.2 x 100 =	
14	0.02 x 100 =		36	14.7 x 1000 =	
15	0.02 x 1000 =		37	2.021 x 100 =	
16	0.008 x 10 =		38	172.1 x 10 =	
17	0.008 x 100 =		39	3.2 x 20 =	
18	0.008 x 1000 =		40	4.1 x 20 =	

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41

42

43

44

 $0.06 \times 10 =$

 $0.006 \times 10 =$

 $0.3 \times 10 =$

 $0.3 \times 100 =$

 $0.32 \times 10 =$

 $0.67 \times 10 =$

 $0.91 \times 100 =$

 $0.74 \times 100 =$

8

9

10

11

19

20

21

22

В	Multiply.	Improvemen	t # Correct
1	46.1 x 10 =	23	5.2 x 1000 =
2	46.1 x 100 =	24	8.7 x 1000 =
3	46.1 x 1000 =	25	0.01 x 1000 =
4	89.2 x 10 =	26	0.08 x 1000 =
5	89.2 x 100 =	27	0.083 x 10 =
6	89.2 x 1000 =	28	0.903 x 10 =
7	0.3 x 10 =	29	0.017 x 1000 =
8	0.03 x 10 =	30	8.523 x 1000 =
9	0.003 x 10 =	31	7.9 x 100 =
10	0.9 x 10 =	32	5.802 x 10 =
11	0.9 x 100 =	33	27.08 x 100 =
12	0.9 x 1000 =	34	8.18 x 10 =
13	0.04 x 10 =	35	29.3 x 100 =
14	0.04 x 100 =	36	25.8 x 1000 =
15	0.04 x 1000 =	37	3.032 x 100 =
16	0.007 x 10 =	38	283.1 x 10 =
17	0.007 x 100 =	39	2.1 x 20 =
18	0.007 x 1000 =	40	3.3 x 20 =
19	0.45 x 10 =	41	3.1 x 30 =
20	0.78 x 10 =	42	1.2 x 30 =
21	0.28 x 100 =	43	2.11 x 40 =
22	0.19 x 100 =	44	13.11 x 40 =



Lesson 5:

Date:

Correct _____ Α Find the midpoint.

	Fina the m	ароппет			
1	0	10	23	8.5	8.6
2	0	1	24	2.8	2.9
3	0	0.01	25	0.03	0.04
4	10	20	26	0.13	0.14
5	1	2	27	0.37	0.38
6	2	3	28	80	90
7	3	4	29	90	100
8	7	8	30	8	9
9	1	2	31	9	10
10	0.1	0.2	32	0.8	0.9
11	0.2	0.3	33	0.9	1
12	0.3	0.4	34	0.08	0.09
13	0.7	0.8	35	0.09	0.1
14	0.1	0.2	36	26	27
15	0.01	0.02	37	7.8	7.9
16	0.02	0.03	38	1.26	1.27
17	0.03	0.04	39	29	30
18	0.07	0.08	40	9.9	10
19	6	7	41	7.9	8
20	16	17	42	1.59	1.6
21	38	39	43	1.79	1.8
22	0.4	0.5	44	3.99	4

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Lesson 7: Date:

В	Find the midpoint.	Improvement			# Correct
1	10	20 23	3	0.7	0.8
2	1	2 24	1	4.7	4.8
3	0.1	0.2 25	5	2.3	2.4
4	0.01	0.02 26	3	0.02	0.03
5	0	10 27	7	0.12	0.13
6	0	1 28	3	0.47	0.48
7	1	2 29	9	80	90
8	2	3 30)	90	100
9	6	7 31	1	8	9
10	1	2 32	2	9	10
11	0.1	0.2 33	3	8.0	0.9
12	0.2	0.3 34	1	0.9	1
13	0.3	0.4 35	5	0.08	0.09
14	0.6	0.7 36	3	0.09	0.1
15	0.1	0.2 37	7	36	37
16	0.01	0.02 38	3	6.8	6.9
17	0.02	0.03	9	1.46	1.47
18	0.03	0.04 40)	39	40
19	0.06	0.07 41	1	9.9	10
20	7	8 42	2	6.9	7
21	17	18 43	3	1.29	1.3
22	47	48 44	1	6.99	7



Lesson 7: Date:

Α	Round to the nearest w	hole number.		# Correct
1	3.1 ≈	23	12.51 ≈	
2	3.2 ≈	24	16.61 ≈	
3	3.3 ≈	25	17.41 ≈	
4	3.4 ≈	26	11.51 ≈	
5	3.5 ≈	27	11.49 ≈	
6	3.6 ≈	28	13.49 ≈	
7	3.9 ≈	29	13.51 ≈	
8	13.9 ≈	30	15.51 ≈	
9	13.1 ≈	31	15.49 ≈	
10	13.5 ≈	32	6.3 ≈	
11	7.5 ≈	33	7.6 ≈	
12	8.5 ≈	34	49.5 ≈	
13	9.5 ≈	35	3.45 ≈	
14	19.5 ≈	36	17.46 ≈	
15	29.5 ≈	37	11.76 ≈	
16	89.5 ≈	38	5.2 ≈	
17	2.4 ≈	39	12.8 ≈	
18	2.41 ≈	40	59.5 ≈	
19	2.42 ≈	41	5.45 ≈	
20	2.45 ≈	42	19.47 ≈	
21	2.49 ≈	43	19.87 ≈	
22	2.51 ≈	44	69.51 ≈	

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Lesson 9: Date:

В	Round to the nearest whole nu	Improvement	·	# Correct
1	4.1 ≈	23	13.51 ≈	
2	4.2 ≈	24	17.61 ≈	
3	4.3 ≈	25	18.41 ≈	
4	4.4 ≈	26	12.51 ≈	
5	4.5 ≈	27	12.49 ≈	
6	4.6 ≈	28	14.49 ≈	
7	4.9 ≈	29	14.51 ≈	
8	14.9 ≈	30	16.51 ≈	
9	14.1 ≈	31	16.49 ≈	
10	14.5 ≈	32	7.3 ≈	
11	7.5 ≈	33	8.6 ≈	
12	8.5 ≈	34	39.5 ≈	
13	9.5 ≈	35	4.45 ≈	
14	19.5 ≈	36	18.46 ≈	
15	29.5 ≈	37	12.76 ≈	
16	79.5 ≈	38	6.2 ≈	
17	3.4 ≈	39	13.8 ≈	
18	3.41 ≈	40	49.5 ≈	
19	3.42 ≈	41	6.45 ≈	
20	3.45 ≈	42	19.48 ≈	
21	3.49 ≈	43	19.78 ≈	
22	3.51 ≈	44	59.51 ≈	

Add.

Correct _____

	Add.				
1	3 + 1 =		23	5 + 0.1 =	
2	3.5 + 1 =		24	5.7 + 0.1 =	
3	3.52 + 1 =		25	5.73 + 0.1 =	
4	0.3 + 0.1 =		26	5.736 + 0.1 =	
5	0.37 + 0.1 =		27	5.736 + 1 =	
6	5.37 + 0.1 =		28	5.736 + 0.01 =	
7	0.03 + 0.01 =		29	5.736 + 0.001 =	
8	0.83 + 0.01 =	;	30	6.208 + 0.01 =	
9	2.83 + 0.01 =	;	31	3 + 0.01 =	
10	30 + 10 =	;	32	3.5 + 0.01 =	
11	32 + 10 =	;	33	3.58 + 0.01 =	
12	32.5 + 10 =	;	34	3.584 + 0.01 =	
13	32.58 + 10 =	;	35	3.584 + 0.001 =	
14	40.789 + 1 =	;	36	3.584 + 0.1 =	
15	4 + 1 =	;	37	3.584 + 1 =	
16	4.6 + 1 =	;	38	6.804 + 0.01 =	
17	4.62 + 1 =	;	39	8.642 + 0.001 =	
18	4.628 + 1 =		40	7.65 + 0.001 =	
19	4.628 + 0.1 =		41	3.987 + 0.1 =	
20	4.628 + 0.01 =		42	4.279 + 0.001 =	
21	4.628 + 0.001 =		43	13.579 + 0.01 =	
22	27.048 + 0.1 =		44	15.491 + 0.01 =	

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Lesson 12:

Date:

В		Improvement			Correct
	Add.				

	Add.			
1	2 + 1 =	23	4 + 0.1 =	
2	2.5 + 1 =	24	4.7 + 0.1 =	
3	2.53 + 1 =	25	4.73 + 0.1 =	
4	0.2 + 0.1 =	26	4.736 + 0.1 =	
5	0.27 + 0.1 =	27	4.736 + 1 =	
6	5.27 + 0.1 =	28	4.736 + 0.01 =	
7	0.02 + 0.01 =	29	4.736 + 0.001 =	
8	0.82 + 0.01 =	30	5.208 + 0.01 =	
9	4.82 + 0.01 =	31	2 + 0.01 =	
10	20 + 10 =	32	2.5 + 0.01 =	
11	23 + 10 =	33	2.58 + 0.01 =	
12	23.5 + 10 =	34	2.584 + 0.01 =	
13	23.58 + 10 =	35	2.584 + 0.001 =	
14	30.789 + 1 =	36	2.584 + 0.1 =	
15	3 + 1 =	37	2.584 + 1 =	
16	3.6 + 1 =	38	5.804 + 0.01 =	
17	3.62 + 1 =	39	7.642 + 0.001 =	
18	3.628 + 1 =	40	6.75 + 0.001 =	
19	3.628 + 0.1 =	41	2.987 + 0.1 =	
20	3.628 + 0.01 =	42	3.279 + 0.001 =	
21	3.628 + 0.001 =	43	12.579 + 0.01 =	
22	37.048 + 0.1 =	44	14.391 + 0.01 =	

A

Correct _____

^	Subtract.			OOI1CCt
1	5 - 1 =	23	7.985 - 0.002 =	
2	5.9 - 1 =	24	7.985 - 0.004 =	
3	5.93 - 1 =	25	2.7 - 0.1 =	
4	5.932 - 1 =	26	2.785 - 0.1 =	
5	5.932 - 2 =	27	2.785 - 0.5 =	
6	5.932 - 4 =	28	4.913 - 0.4 =	
7	0.5 - 0.1 =	29	3.58 - 0.01 =	
8	0.53 - 0.1 =	30	3.586 - 0.01 =	
9	0.539 - 0.1 =	31	3.586 - 0.05 =	
10	8.539 - 0.1 =	32	7.982 - 0.04 =	
11	8.539 - 0.2 =	33	6.126 - 0.001 =	
12	8.539 - 0.4 =	34	6.126 - 0.004 =	
13	0.05 - 0.01 =	35	9.348 - 0.006 =	
14	0.057 - 0.01 =	36	8.347 - 0.3 =	
15	1.057 - 0.01 =	37	9.157 - 0.05 =	
16	1.857 - 0.01 =	38	6.879 - 0.009 =	
17	1.857 - 0.02 =	39	6.548 - 2 =	
18	1.857 - 0.04 =	40	6.548 - 0.2 =	
19	0.005 - 0.001 =	41	6.548 - 0.02 =	
20	7.005 - 0.001 =	42	6.548 - 0.002 =	
21	7.905 - 0.001 =	43	6.196 - 0.06 =	
22	7.985 - 0.001 =	44	9.517 - 0.004 =	

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Lesson 13:

Divide decimals by single-digit whole numbers involving easily identifiable multiples using place value understanding and relate to a written method. 6/28/13

В	Subtract.		nt #	Correct	
1	6 - 1 =	. :	23	7.986 - 0.002 =	
2	6.9 - 1 =		24	7.986 - 0.004 =	
3	6.93 - 1 =	. :	25	3.7 - 0.1 =	
4	6.932 - 1 =		26	3.785 - 0.1 =	
5	6.932 - 2 =		27	3.785 - 0.5 =	
6	6.932 - 4 =		28	5.924 - 0.4 =	
7	0.6 - 0.1 =		29	4.58 - 0.01 =	
8	0.63 - 0.1 =	. ;	30	4.586 - 0.01 =	
9	0.639 - 0.1 =	. ;	31	4.586 - 0.05 =	
10	8.639 - 0.1 =	;	32	6.183 - 0.04 =	
11	8.639 - 0.2 =	;	33	7.127 - 0.001 =	
12	8.639 - 0.4 =	_ ;	34	7.127 - 0.004 =	
13	0.06 - 0.01 =	. ;	35	1.459 - 0.006 =	
14	0.067 - 0.01 =	;	36	8.457 - 0.4 =	
15	1.067 - 0.01 =	;	37	1.267 - 0.06 =	
16	1.867 - 0.01 =	;	38	7.981 - 0.001 =	
17	1.867 - 0.02 =	;	39	7.548 - 2 =	
18	1.867 - 0.04 =		40	7.548 - 0.2 =	
19	0.006 - 0.001 =		41	7.548 - 0.02 =	
20	7.006 - 0.001 =		42	7.548 - 0.002 =	
21	7.906 - 0.001 =		43	7.197 - 0.06 =	
22	7.986 - 0.001 =		44	1.627 - 0.004 =	

Date:

Α

Correct _____

	Solve.			
1	10 x 10 =	23	24 x 10 ² =	
2	10 ² =	24	24.7 x 10 ² =	
3	$10^2 \times 10 =$	25	24.07 x 10 ² =	
4	10 ³ =	26	24.007 x 10 ² =	
5	10 ³ x 10 =	27	53 x 1000 =	
6	10 ⁴ =	28	53 x 10 ³ =	
7	3 x 100 =	29	53.8 x 10 ³ =	
8	3 x 10 ² =	30	53.08 x 10 ³ =	
9	$3.1 \times 10^2 =$	31	53.082 x 10 ³ =	
10	$3.15 \times 10^2 =$	32	9.1 x 10,000 =	
11	$3.157 \times 10^2 =$	33	9.1 x 10 ⁴ =	
12	4 x 1000 =	34	91.4 x 10 ⁴ =	
13	4 x 10 ³ =	35	9.104 x 10 ⁴ =	
14	$4.2 \times 10^3 =$	36	9.107 x 10 ⁴ =	
15	$4.28 \times 10^3 =$	37	1.2 x 10 ² =	
16	$4.283 \times 10^3 =$	38	$0.35 \times 10^3 =$	
17	5 x 10,000 =	39	5.492 x 10 ⁴ =	
18	5 x 10 ⁴ =	40	$8.04 \times 10^3 =$	
19	5.7 x 10 ⁴ =	41	$7.109 \times 10^4 =$	
20	5.73 x 10 ⁴ =	42	$0.058 \times 10^2 =$	
21	5.731 x 10 ⁴ =	43	$20.78 \times 10^3 =$	
22	24 x 100 =	44	420.079 x 10 ² =	

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Lesson 15: Date:

Divide decimals using place value understanding, including remainders in the smallest unit. 6/28/13

В	Solve.	Improvement _	# Correct
1	10 x 10 x 1 =	23	42 x 10 ² =
2	10 ² =	24	42.7 x 10 ² =
3	10 ² x 10 =	25	42.07 x 10 ² =
4	10 ³ =	26	42.007 x 10 ² =
5	10 ³ x 10 =	27	35 x 1000 =
6	104 =	28	35 x 10 ³ =
7	4 x 100 =	29	35.8 x 10 ³ =
8	4 x 10 ² =	30	35.08 x 10 ³ =
9	4.1 x 10 ² =	31	35.082 x 10 ³ =
10	4.15 x 10 ² =	32	8.1 x 10,000 =
11	4.157 x 10 ² =	33	8.1 x 10 ⁴ =
12	5 x 1000 =	34	81.4 x 10 ⁴ =
13	5 x 10 ³ =	35	8.104 x 10 ⁴ =
14	5.2 x 10 ³ =	36	8.107 x 10 ⁴ =
15	5.28 x 10 ³ =	37	$1.3 \times 10^2 =$
16	5.283 x 10 ³ =	38	$0.53 \times 10^3 =$
17	7 x 10,000 =	39	$4.391 \times 10^4 =$
18	7 x 10 ⁴ =	40	$7.03 \times 10^3 =$
19	7.5 x 10 ⁴ =	41	6.109 x 10 ⁴ =
20	7.53 x 10 ⁴ =	42	$0.085 \times 10^2 =$
21	7.531 x 10 ⁴ =	43	$30.87 \times 10^3 =$

44

 $530.097 \times 10^2 =$



22

Lesson 15: Date:

Divide decimals using place value understanding, including remainders in the smallest unit. 6/28/13

42 x 100 =

Α

Correct _____

A	Solve.		# Correct			
1	10 x 10 =	23	$3,400 \div 10^2 =$			
2	10 ² =	24	$3,470 \div 10^2 =$			
3	10 ² x 10 =	25	$3,407 \div 10^2 =$			
4	10 ³ =	26	$3,400.7 \div 10^2 =$			
5	10 ³ x 10 =	27	63,000 ÷ 1000 =			
6	104 =	28	$63,000 \div 10^3 =$			
7	3 x 100 =	29	$63,800 \div 10^3 =$			
8	3 x 10 ² =	30	$63,080 \div 10^3 =$			
9	$3.1 \times 10^2 =$	31	$63,082 \div 10^3 =$			
10	$3.15 \times 10^2 =$	32	81,000 ÷ 10,000 =			
11	$3.157 \times 10^2 =$	33	81,000 ÷ 10 ⁴ =			
12	4 x 1000 =	34	81,400 ÷ 10 ⁴ =			
13	4 x 10 ³ =	35	81,040 ÷ 10 ⁴ =			
14	4.2 x 10 ³ =	36	91,070 ÷ 10 ⁴ =			
15	$4.28 \times 10^3 =$	37	120 ÷ 10 ² =			
16	$4.283 \times 10^3 =$	38	350 ÷ 10 ³ =			
17	5 x 10,000 =	39	45,920 ÷ 10 ⁴ =			
18	5 x 10 ⁴ =	40	$6,040 \div 10^3 =$			
19	5.7 x 10 ⁴ =	41	$61,080 \div 10^4 =$			
20	5.73 x 10 ⁴ =	42	$7.8 \div 10^2 =$			
21	5.731 x 10 ⁴ =	43	$40,870 \div 10^3 =$			
22	24 x 100 =	44	52,070.9 ÷ 10 ² =			

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Lesson 16: Date:

Solve word problems using decimal operations. 6/28/13

В	Solve.	Improvement _	# C	Correct
1	10 x 10 x 1 =	23	$4,370 \div 10^2 =$	
2	10 ² =	24	$4,370 \div 10^2 =$	
3	10 ² x 10 =	25	$4,307 \div 10^2 =$	
4	10 ³ =	26	$4,300.7 \div 10^2 =$	
5	10 ³ x 10 =	27	73,000 ÷ 1000 =	
6	104 =	28	$73,000 \div 10^3 =$	
7	500 ÷ 100 =	29	$73,800 \div 10^3 =$	
8	500 ÷ 10 ² =	30	$73,080 \div 10^3 =$	
9	510 ÷ 10 ² =	31	$73,082 \div 10^3 =$	
10	516 ÷ 10 ² =	32	91,000 ÷ 10,000 =	
11	516.7 ÷ 10 ² =	33	91,000 ÷ 10 ⁴ =	
12	6,000 ÷ 1000 =	34	91,400 ÷ 10 ⁴ =	
13	$6,000 \div 10^3 =$	35	91,040 ÷ 10 ⁴ =	
14	6,200 ÷ 10 ³ =	36	81,070 ÷ 10 ⁴ =	
15	$6,280 \div 10^3 =$	37	$170 \div 10^2 =$	
16	$6,283 \div 10^3 =$	38	450 ÷ 10 ³ =	
17	70,000 ÷ 10,000 =	39	54,920 ÷ 10 ⁴ =	
18	70,000 ÷ 10 ⁴ =	40	$4,060 \div 10^3 =$	
19	76,000 ÷ 10 ⁴ =	41	71,080 ÷ 10 ⁴ =	
20	76,300 ÷ 10 ⁴ =	42	$8.7 \div 10^2 =$	
21	76,310 ÷ 10 ⁴ =	43	$60,470 \div 10^3 =$	
22	4,300 ÷ 100 =	44	72,050.9 ÷ 10 ² =	



Lesson 16: Date:

Α

Multiply

Correct _____

	Multiply.						
1	9 x 10 =	2	23	73 x 1,000 =			
2	9 x 100 =		24	60 x 10 =			
3	9 x 1,000 =		25	600 x 10 =			
4	8 x 10 =		26	600 x 100 =			
5	80 x 10 =		27	65 x 100 =			
6	80 x 100 =		28	652 x 100 =			
7	80 x 1,000 =		29	342 x 100 =			
8	7 x 10 =	(30	800 x 100 =			
9	70 x 10 =	(31	800 x 1,000 =			
10	700 x 10 =	(32	860 x 1,000 =			
11	700 x 100 =	(33	867 x 1,000 =			
12	700 x 1,000 =	(34	492 x 1,000 =			
13	2 x 10 =	(35	34 x 10 =			
14	30 x 10 =	(36	629 x 10 =			
15	32 x 10 =	(37	94 x 100 =			
16	4 x 10 =	(38	238 x 100 =			
17	50 x 10 =	(39	47 x 1,000 =			
18	54 x 10 =	4	40	294 x 1,000 =			
19	37 x 10 =	4	41	174 x 100 =			
20	84 x 10 =	4	42	285 x 1,000 =			
21	84 x 100 =		43	951 x 100 =			
22	84 x 1,000 =	4	44	129 x 1,000 =			
		@ D:11 D.					

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Lesson 2: Date:

Estimate multi-digit products by rounding factors to a basic fact and $% \left(1\right) =\left(1\right) \left(1$ using place value patterns. 7/4/13

В	Multiply.	Improvemer	nt #	Correct
1	8 x 10 =	23	37 x 1,000 =	
2	8 x 100 =	24	50 x 10 =	
3	8 x 1,000 =	25	500 x 10 =	
4	7 x 10 =	26	500 x 100 =	
5	70 x 10 =	27	56 x 100 =	
6	70 x 100 =	28	562 x 100 =	
7	70 x 1,000 =	29	432 x 100 =	
8	6 x 10 =	30	700 x 100 =	
9	60 x 10 =	31	700 x 1,000 =	
10	600 x 10 =	32	760 x 1,000 =	
11	600 x 100 =	33	765 x 1,000 =	
12	600 x 1,000 =	34	942 x 1,000 =	
13	3 x 10 =	35	74 x 10 =	
14	20 x 10 =	36	269 x 10 =	
15	23 x 10 =	37	49 x 100 =	
16	5 x 10 =	38	328 x 100 =	
17	40 x 10 =	39	37 x 1,000 =	
18	45 x 10 =	40	924 x 1,000 =	
19	73 x 10 =	41	147 x 100 =	
20	48 x 10 =	42	825 x 1,000 =	
21	48 x 100 =	43	651 x 100 =	
22	48 x 1,000 =	44	192 x 1,000 =	

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Lesson 2: Date:

Estimate multi-digit products by rounding factors to a basic fact and $% \left(1\right) =\left(1\right) \left(1$ using place value patterns. 7/4/13

Estimate	and	then	multiply	
	anu	uicii	multiply.	

	Estimate and then multiply	<u>/. </u>	_		
1	29 x 11 ≈	23		801 x 31 ≈	
2	29 x 21 ≈	24	1	803 x 31 ≈	
3	29 x 31 ≈	25		703 x 31 ≈	
4	23 x 12 ≈	26		43 x 34 ≈	
5	23 x 22 ≈	27	1	53 x 34 ≈	
6	23 x 32 ≈	28		53 x 31 ≈	
7	23 x 42 ≈	29		53 x 51 ≈	
8	37 x 13 ≈	30		93 x 31 ≈	
9	37 x 23 ≈	31		913 x 31 ≈	
10	36 x 24 ≈	32		73 x 31 ≈	
11	24 x 36 ≈	33		723 x 31 ≈	
12	43 x 11 ≈	34		78 x 34 ≈	
13	43 x 21 ≈	35		798 x 34 ≈	
14	403 x 21 ≈	36		62 x 33 ≈	
15	303 x 21 ≈	37	1	642 x 33 ≈	
16	203 x 21 ≈	38		374 x 64 ≈	
17	41 x 11 ≈	39		64 x 374 ≈	
18	41 x 21 ≈	40		740 x 36 ≈	
19	41 x 31 ≈	41		750 x 36 ≈	
20	401 x 31 ≈	42		65 x 680 ≈	
21	501 x 31 ≈	43		849 x 84 ≈	
22	601 x 31 ≈	44		85 x 849 ≈	



Lesson 5: Date:

Connect visual models and the distributive property to partial products of the standard algorithm without renaming. 7/4/13

Solve.

	Solve.			
1	5 x 100 =	23	5000 - 50 =	
2	500 - 5 =	24	50 x 99 =	
3	5 x 99 =	25	80 x 100 =	
4	3 x 100 =	26	80 x 99 =	
5	300 - 3 =	27	60 x 100 =	
6	3 x 99 =	28	60 x 99 =	
7	2 x 100 =	29	11 x 100 =	
8	200 - 2 =	30	1100 - 11 =	
9	2 x 99 =	31	11 x 99 =	
10	6 x 100 =	32	21 x 100 =	
11	600 - 6 =	33	2100 - 21 =	
12	6 x 99 =	34	21 x 99 =	
13	4 x 100 =	35	31 x 100 =	
14	4 x 99 =	36	31 x 99 =	
15	7 x 100 =	37	71 x 100 =	
16	7 x 99 =	38	71 x 99 =	
17	9 x 100 =	39	42 x 100 =	
18	9 x 99 =	40	42 x 99 =	
19	8 x 100 =	41	53 x 99 =	
20	8 x 99 =	42	64 x 99 =	
21	5 x 100 =	43	75 x 99 =	
22	50 x 100 =	44	97 x 99 =	

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Lesson 6:

Date:

Connect area diagrams and the distributive property to partial products of the standard algorithm without renaming. 7/4/13

Α

Correct _____

	Multiply.		_		
1	2 x 10 =	23	3	33 x 20 =	
2	12 x 10 =	24	ŀ	33 x 200 =	
3	12 x 100 =	25	5	24 x 10 =	
4	4 x 10 =	26	3	24 x 20 =	
5	34 x 10 =	27	_	24 x 100 =	
6	34 x 100 =	28	3	24 x 200 =	
7	7 x 10 =	29		23 x 30 =	
8	27 x 10 =	30		23 x 300 =	
9	27 x 100 =	31		71 x 2 =	
10	3 x 10 =	32	2	71 x 20 =	
11	3 x 2 =	33	3	14 x 2 =	
12	3 x 20 =	34	ŀ	14 x 3 =	
13	13 x 10 =	35	5	14 x 30 =	
14	13 x 2 =	36	3	14 x 300 =	
15	13 x 20 =	37	_	82 x 20 =	
16	13 x 100 =	38	3	15 x 300 =	
17	13 x 200 =	39		71 x 600 =	
18	2 x 4 =	40		18 x 40 =	
19	22 x 4 =	41		75 x 30 =	
20	22 x 40 =	42	2	84 x 300 =	
21	22 x 400 =	43	3	87 x 60 =	
22	33 x 2 =	44	ŀ	79 x 800 =	

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Lesson 7:

Date:

Connect area diagrams and the distributive property to partial products of the standard algorithm with renaming. 7/4/13

В	Multiply.	Improvement	t#	Correct
1	3 x 10 =	23	44 x 20 =	
2	13 x 10 =	24	44 x 200 =	
3	13 x 100 =	25	42 x 10 =	
4	5 x 10 =	26	42 x 20 =	
5	35 x 10 =	27	42 x 100 =	
6	35 x 100 =	28	42 x 200 =	
7	8 x 10 =	29	32 x 30 =	
8	28 x 10 =	30	32 x 300 =	
9	28 x 100 =	31	81 x 2 =	
10	4 x 10 =	32	81 x 20 =	
11	4 x 2 =	33	13 x 3 =	
12	4 x 20 =	34	13 x 4 =	
13	14 x 10 =	35	13 x 40 =	
14	14 x 2 =	36	13 x 400 =	
15	14 x 20 =	37	72 x 30 =	
16	14 x 100 =	38	15 x 300 =	
17	14 x 200 =	39	81 x 600 =	
18	2 x 3 =	40	16 x 40 =	
19	22 x 3 =	41	65 x 30 =	
20	22 x 30 =	42	48 x 300 =	
21	22 x 300 =	43	89 x 60 =	
22	44 x 2 =	44	76 x 800 =	

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Lesson 7: Date:

Connect area diagrams and the distributive property to partial products of the standard algorithm with renaming. 7/4/13

Correct _____

	Multiply.			
1	3 x 3 =	23	8 x 5 =	
2	0.3 x 3 =	24	0.8 x 5 =	
3	0.03 x 3 =	25	0.08 x 5 =	
4	3 x 2 =	26	0.06 x 5 =	
5	0.3 x 2 =	27	0.06 x 3 =	
6	0.03 x 2 =	28	0.6 x 5 =	
7	2 x 2 =	29	0.06 x 2 =	
8	0.2 x 2 =	30	0.06 x 7 =	
9	0.02 x 2 =	31	0.9 x 6 =	
10	5 x 3 =	32	0.06 x 9 =	
11	0.5 x 3 =	33	0.09 x 9 =	
12	0.05 x 3 =	34	0.8 x 8 =	
13	0.04 x 3 =	35	0.07 x 7 =	
14	0.4 x 3 =	36	0.6 x 6 =	
15	4 x 3 =	37	0.05 x 5 =	
16	5 x 5 =	38	0.6 x 8 =	
17	0.5 x 5 =	39	0.07 x 9 =	
18	0.05 x 5 =	40	0.8 x 3 =	
19	7 × 4 =	41	0.09 x 6 =	
20	0.7 x 4 =	42	0.5 x 7 =	
21	0.07 x 4 =	43	0.12 x 4 =	
22	0.9 x 4 =	44	0.12 x 9 =	

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Lesson 11:

Multiply decimal fractions by multi-digit whole numbers through conversion to a whole number problem and reasoning about the placement of the decimal. 7/4/13

Date:

2.C.18

В	Multiply.	Improvemer	nt	# Correct
1	2 x 2 =	23	6 x 5 =	
2	0.2 x 2 =	24	0.6 x 5 =	
3	0.02 x 2 =	25	0.06 x 5 =	
4	4 x 2 =	26	0.08 x 5 =	
5	0.4 x 2 =	27	0.08 x 3 =	
6	0.04 x 2 =	28	0.8 x 5 =	
7	3 x 3 =	29	0.08 x 2 =	
8	0.3 x 3 =	30	0.08 x 7 =	
9	0.03 x 3 =	31	0.9 x 8 =	
10	4 x 3 =	32	0.08 x 9 =	
11	0.4 x 3 =	33	0.9 x 9 =	
12	0.04 x 3 =	34	0.08 x 8 =	
13	0.05 x 3 =	35	$0.7 \times 7 =$	
14	0.5 x 3 =	36	0.06 x 6 =	
15	5 x 3 =	37	0.5 x 5 =	
16	4 x 4 =	38	0.06 x 8 =	
17	0.4 x 4 =	39	0.7 x 9 =	
18	0.04 x 4 =	40	0.08 x 3 =	
19	8 x 4 =	41	0.9 x 6 =	
20	0.8 x 4 =	42	0.05 x 7 =	
21	0.08 x 4 =	43	0.12 x 6 =	
22	0.6 x 4 =	44	0.12 x 8 =	



Lesson 11:

Multiply decimal fractions by multi-digit whole numbers through conversion to a whole number problem and reasoning about the placement of the decimal.

Date: 7/4/13 2.C.19

Α		# Correct
	Write in feet and inches.	

1	12 in =	ft	in	23	17 in =	ft	in
2	13 in =	ft	in	24	24 in =	ft	in
3	14 in =	ft	in	25	28 in =	ft	in
4	15 in =	ft	in	26	36 in =	ft	in
5	22 in =	ft	in	27	45 in =	ft	in
6	20 in =	ft	in	28	48 in =	ft	in
7	24 in =	ft	in	29	59 in =	ft	in
8	25 in =	ft	in	30	60 in =	ft	in
9	26 in =	ft	in	31	64 in =	ft	in
10	30 in =	ft	in	32	68 in =	ft	in
11	34 in =	ft	in	33	71 in =	ft	in
12	35 in =	ft	in	34	73 in =	ft	in
13	36 in =	ft	in	35	72 in =	ft	in
14	37 in =	ft	in	36	80 in =	ft	in
15	46 in =	ft	in	37	84 in =	ft	in
16	40 in =	ft	in	38	90 in =	ft	in
17	48 in =	ft	in	39	96 in =	ft	in
18	58 in =	ft	in	40	100 in =	ft	in
19	49 in =	ft	in	41	108 in =	ft	in
20	47 in =	ft	in	42	117 in =	ft	in
21	50 in =	ft	in	43	104 in =	ft	in
22	12 in =	ft	in	44	93 in =	ft	in



Lesson 15:

Date:

Solve two-step word problems involving measurement and $% \left(\mathbf{r}_{\mathbf{r}}^{\prime }\right) =\mathbf{r}_{\mathbf{r}}^{\prime }$ multi-digit multiplication. 7/4/13

В	Write in feet and inches.		Improve	mer	nt	# Correct	
1	120 in =	ft	in	23	16 in =	ft	in
2	12 in =	ft	in	24	24 in =	ft	in
3	13 in =	ft	in	25	29 in =	ft	in
4	14 in =	ft	in	26	36 in =	ft	in
5	20 in =	ft	in	27	42 in =	ft	in
6	22 in =	ft	in	28	48 in =	ft	in
7	24 in =	ft	in	29	59 in =	ft	in
8	25 in =	ft	in	30	60 in =	ft	in
9	26 in =	ft	in	31	63 in =	ft	in
10	34 in =	ft	in	32	67 in =	ft	in
11	30 in =	ft	in	33	70 in =	ft	in
12	35 in =	ft	in	34	73 in =	ft	in
13	36 in =	ft	in	35	72 in =	ft	in
14	46 in =	ft	in	36	77 in =	ft	in
15	37 in =	ft	in	37	84 in =	ft	in
16	40 in =	ft	in	38	89 in =	ft	in
17	48 in =	ft	in	39	96 in =	ft	in
18	49 in =	ft	in	40	99 in =	ft	in
19	58 in =	ft	in	41	108 in =	ft	in
20	47 in =	ft	in	42	115 in =	ft	in
21	50 in =	ft	in	43	103 in =	ft	in
22	12 in =	ft	in	44	95 in =	ft	in



Lesson 15:

Date:

Solve two-step word problems involving measurement and $% \left(\mathbf{r}_{\mathbf{r}}^{\prime }\right) =\mathbf{r}_{\mathbf{r}}^{\prime }$ multi-digit multiplication. 7/4/13

Correct _____

~	Divide.		# Correct
1	30 ÷ 10 =	23	480 ÷ 4 =
2	430 ÷ 10 =	24	480 ÷ 40 =
3	4,300 ÷ 10 =	25	6,300 ÷ 3 =
4	4,300 ÷ 100 =	26	6,300 ÷ 30 =
5	43,000 ÷ 100 =	27	6,300 ÷ 300 =
6	50 ÷ 10 =	28	8,400 ÷ 2 =
7	850 ÷ 10 =	29	8,400 ÷ 20 =
8	8,500 ÷ 10 =	30	8,400 ÷ 200 =
9	8,500 ÷ 100 =	31	96,000 ÷ 3 =
10	85,000 ÷ 100 =	32	96,000 ÷ 300 =
11	600 ÷ 10 =	33	96,000 ÷ 30 =
12	60 ÷ 3 =	34	900 ÷ 30 =
13	600 ÷ 30 =	35	1,200 ÷ 30 =
14	4,000 ÷ 100 =	36	1,290 ÷ 30 =
15	40 ÷ 2 =	37	1,800 ÷ 300 =
16	4,000 ÷ 200 =	38	8,000 ÷ 200 =
17	240 ÷ 10 =	39	12,000 ÷ 200 =
18	24 ÷ 2 =	40	12,800 ÷ 200 =
19	240 ÷ 20 =	41	2,240 ÷ 70 =
20	3,600 ÷ 100 =	42	18,400 ÷ 800 =
21	36 ÷ 3 =	43	21,600 ÷ 90 =
22	3,600 ÷ 300 =	44	25,200 ÷ 600 =

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Lesson 16: Date:

Use divide by 10 patterns for multi-digit whole number division. 7/4/13

В		Improvement	# Correct
	Divide.		

	Divide.		
1	20 ÷ 10 =	23	840 ÷ 4 =
2	420 ÷ 10 =	24	840 ÷ 40 =
3	4,200 ÷ 10 =	25	3,600 ÷ 3 =
4	4,200 ÷ 100 =	26	3,600 ÷ 30 =
5	42,000 ÷ 100 =	27	3,600 ÷ 300 =
6	40 ÷ 10 =	28	4,800 ÷ 2 =
7	840 ÷ 10 =	29	4,800 ÷ 20 =
8	8,400 ÷ 10 =	30	4,800 ÷ 200 =
9	8,400 ÷ 100 =	31	69,000 ÷ 3 =
10	84,000 ÷ 100 =	32	69,000 ÷ 300 =
11	900 ÷ 10 =	33	69,000 ÷ 30 =
12	90 ÷ 3 =	34	800 ÷ 40 =
13	900 ÷ 30 =	35	1,200 ÷ 40 =
14	6,000 ÷ 100 =	36	1,280 ÷ 40 =
15	60 ÷ 2 =	37	1,600 ÷ 400 =
16	6,000 ÷ 200 =	38	8,000 ÷ 200 =
17	240 ÷ 10 =	39	14,000 ÷ 200 =
18	24 ÷ 2 =	40	14,600 ÷ 200 =
19	240 ÷ 20 =	41	2,560 ÷ 80 =
20	6,300 ÷ 100 =	42	16,100 ÷ 700 =
21	63 ÷ 3 =	43	14,400 ÷ 60 =
22	6,300 ÷ 300 =	44	37,800 ÷ 900 =

Α		# Correct
	Divide.	

1	6 ÷ 10 =	•	23	25 ÷ 50 =	
2	6 ÷ 20 =	•	24	2.5 ÷ 50 =	
3	6 ÷ 60 =		25	4.5 ÷ 50 =	
4	8 ÷ 10 =		26	4.5 ÷ 90 =	
5	8 ÷ 40 =		27	0.45 ÷ 90 =	
6	8 ÷ 20 =		28	0.45 ÷ 50 =	
7	4 ÷ 10 =		29	0.24 ÷ 60 =	
8	4 ÷ 20 =		30	0.63 ÷ 90 =	
9	4 ÷ 40 =		31	0.48 ÷ 80 =	
10	9 ÷ 3 =		32	0.49 ÷ 70 =	
11	9 ÷ 30 =	•	33	6 ÷ 30 =	
12	12 ÷ 3 =	•	34	14 ÷ 70 =	
13	12 ÷ 30 =	•	35	72 ÷ 90 =	
14	12 ÷ 40 =		36	6.4 ÷ 80 =	
15	12 ÷ 60 =	•	37	0.48 ÷ 40 =	
16	12 ÷ 20 =		38	0.36 ÷ 30 =	
17	15 ÷ 3 =	•	39	0.55 ÷ 50 =	
18	15 ÷ 30 =		40	1.36 ÷ 40 =	
19	15 ÷ 50 =		41	2.04 ÷ 60 =	
20	18 ÷ 30 =	•	42	4.48 ÷ 70 =	•
21	24 ÷ 30 =		43	6.16 ÷ 80 =	
22	16 ÷ 40 =		44	5.22 ÷ 90 =	



Lesson 28:

Date:

Solve division word problems involving multi-digit division with group size unknown and the number of groups unknown. 7/4/13 31

В	Divide.	Improve	mer	nt #	Correct
1	4 ÷ 10 =		23	25 ÷ 50 =	-
2	4 ÷ 20 =	-	24	2.5 ÷ 50 =	
3	4 ÷ 40 =	-	25	3.5 ÷ 50 =	
4	8 ÷ 10 =	-	26	3.5 ÷ 70 =	
5	8 ÷ 20 =	-	27	0.35 ÷ 70 =	-
6	8 ÷ 40 =	-	28	0.35 ÷ 50 =	-
7	9 ÷ 10 =	-	29	0.42 ÷ 60 =	
8	9 ÷ 30 =	-	30	0.54 ÷ 90 =	-
9	9 ÷ 90 =		31	0.56 ÷ 80 =	-
10	6 ÷ 2 =	-	32	0.63 ÷ 70 =	
11	6 ÷ 20 =		33	6 ÷ 30 =	-
12	12 ÷ 2 =	-	34	18 ÷ 90 =	-
13	12 ÷ 20 =		35	72 ÷ 80 =	-
14	12 ÷ 30 =	-	36	4.8 ÷ 80 =	-
15	12 ÷ 40 =		37	0.36 ÷ 30 =	-
16	12 ÷ 60 =		38	0.48 ÷ 40 =	-
17	15 ÷ 5 =	-	39	0.65 ÷ 50 =	-
18	15 ÷ 50 =		40	1.38 ÷ 30 =	-
19	15 ÷ 30 =		41	2.64 ÷ 60 =	-
20	21 ÷ 30 =		42	5.18 ÷ 70 =	-
21	27 ÷ 30 =		43	6.96 ÷ 80 =	-
22	36 ÷ 60 =		44	6.12 ÷ 90 =	-



Lesson 28:

Date:

Solve division word problems involving multi-digit division with group size unknown and the number of groups unknown. 7/4/13 32

Α

Correct_

Write the missing factor.

1	10 = 5 x	23	28 = 7 x	
2	10 = 2 x	24	28 = 2 x 2 x	
3	8 = 4 x	25	28 = 2 x x 2	
4	9 = 3 x	26	28 = x 2 x 2	
5	6 = 2 x	27	36 = 3 x 3 x	
6	6 = 3 x	28	9 x 4 = 3 x 3 x	
7	12 = 6 x	29	9 x 4 = 6 x	
8	12 = 3 x	30	9 x 4 = 3 x 2 x	
9	12 = 4 x	31	8 x 6 = 4 x x 2	
10	12 = 2 x 2 x	32	9 x 9 = 3 x x 3	
11	12 = 3 x 2 x	33	8 x 8 = x 8	
12	20 = 5 x 2 x	34	7 x 7 = x 7	
13	20 = 5 x 2 x	35	8 x 3 = x 6	
14	16 = 8 x	36	16 x 2 = x 4	
15	16 = 4 x 2 x	37	2 x 18 = x 9	
16	24 = 8 x	38	28 x 2 = x 8	
17	24 = 4 x 2 x	39	24 x 3 = x 9	
18	24 = 4 x x 2	40	6 x 8 = x 12	
19	24 = 3 x 2 x	41	27 x 3 = x 9	
20	24 = 3 x x 2	42	12 x 6 = x 8	
21	6 x 4 = 8 x	43	54 x 2 = x 12	
22	6 x 4 = 4 x 2 x	44	9 x 13 = x 39	



B

Improvement_____# Correct_

Write the missing factor.

_	Write the missing factor.			
1	6 = 2 x	23	28 = 4 x	
2	6 = 3 x	24	28 = 2 x 2 x	
3	9 = 3 x	25	28 = 2 x x 2	
4	8 = 4 x	26	28 = x 2 x 2	
5	10 = 5 x	27	36 = 2 x 2 x	
6	10 = 2 x	28	9 x 4 = 2 x 2 x	
7	20 = 10 x	29	9 x 4 = 6 x	
8	20 = 5 x 2 x	30	9 x 4 = 2 x 3 x +	
9	12 = 6 x	31	8 x 6 = 4 x x 2	
10	12 = 3 x	32	8 x 8 = 4 x x 2	
11	12 = 4 x	33	9 x 9 = x 9	
12	12 = 2 x 2 x	34	6 x 6 = x 6	
13	12 = 3 x 2 x	35	6 x 4 =x 8	
14	24 = 8 x	36	16 x 2 = x 8	
15	24 = 4 x 2 x	37	2 x 18 = x 4	
16	24 = 4 x x 2	38	28 x 2 = x 7	
17	24 = 3 x 2 x	39	24 x 3 = x 8	
18	24 = 3 x x 2	40	8 x 6 = x 4	
19	16 = 8 x	41	12 x 6 = x 9	
20	16 = 4 x 2 x	42	27 x 3 = x 9	
21	8 x 2 = 4 x	43	54 x 2 = x 9	
22	8 x 2 = 2 x 2 x	44	8 x 13 = x 26	



Α

Find the missing numerator or denominator.

Correct _____

	Find the missing numerator or deno	iiiiator.		· · · · · · · · · · · · · · · · · · ·
1	$\frac{1}{2} = \frac{1}{4}$	23	$\frac{1}{3} = \frac{1}{12}$	
2	$\frac{1}{5} = \frac{2}{}$	24	$\frac{2}{3} = \frac{1}{12}$	
3	$\frac{2}{5} = \frac{2}{10}$	25	$\frac{8}{12} = {3}$	
4	$\frac{3}{5} = \frac{1}{10}$	26	$\frac{8}{12} = \frac{3}{3}$ $\frac{12}{16} = \frac{3}{3}$	
5	$\frac{4}{5} = \frac{10}{10}$	27	$\frac{3}{5} = \frac{3}{25}$	
6	$\frac{1}{3} = \frac{2}{}$	28	$\frac{4}{5} = \frac{28}{}$	
7	$\frac{2}{3} = \frac{1}{6}$	29	$\frac{\frac{3}{4}}{\frac{2}{5}} = \frac{\frac{28}{28}}{\frac{18}{24}} = \frac{3}{24}$	
8	$\frac{4}{5} = \frac{10}{10}$ $\frac{1}{3} = \frac{2}{3}$ $\frac{2}{3} = \frac{1}{6}$ $\frac{1}{3} = \frac{3}{3}$	30	$\frac{24}{30} = \frac{1}{5}$	
9	$\frac{2}{3} = \frac{1}{9}$	31	$\frac{5}{6} = \frac{35}{}$	
10	$\frac{1}{4} = \frac{1}{8}$	32	$\frac{56}{63} = \frac{1}{9}$	
11	$\frac{3}{4} = \frac{1}{8}$	33	$\frac{64}{72} = \frac{8}{}$	
12	$\frac{1}{4} = \frac{3}{4}$	34	$\frac{5}{8} = \frac{5}{64}$	
13	$\frac{3}{4} = \frac{9}{}$	35	$\frac{64}{72} = \frac{8}{72}$ $\frac{5}{8} = \frac{64}{64}$ $\frac{5}{6} = \frac{45}{6}$	3
14	$\frac{3}{4} = \frac{9}{2}$ $\frac{2}{4} = \frac{2}{2}$	36	$\frac{45}{81} = \frac{1}{9}$	
15	$\frac{2}{6} = \frac{1}{}$	37	$\frac{6}{7} = \frac{48}{}$	
16	$\frac{2}{10} = \frac{1}{}$	38	$\frac{45}{81} = \frac{1}{9}$ $\frac{6}{7} = \frac{48}{48}$ $\frac{36}{81} = \frac{1}{9}$ $\frac{8}{56} = \frac{1}{48}$	
17	$\frac{4}{10} = \frac{1}{5}$	39	$\frac{8}{56} = \frac{1}{}$	
18	$\frac{8}{10} = \frac{5}{5}$	40	$\frac{35}{63} = \frac{5}{}$	
19	$\frac{3}{9} = \frac{3}{3}$	41	$\frac{1}{6} = \frac{12}{}$	
20	$\frac{6}{9} = \frac{1}{3}$	42	$\frac{3}{7} = \frac{36}{}$	
21	$\frac{3}{12} = \frac{1}{}$	43	$\frac{48}{60} = \frac{4}{}$	
22	$\frac{9}{12} = \frac{1}{4}$	44	$\frac{72}{84} = \frac{7}{7}$	

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Lesson 2: $\label{eq:make-equivalent} \mbox{Make equivalent fractions with sums of fractions with like}$ denominators.

8/7/13

Date:

В	Improvement		# Correct	
	Find the missing numerator or denon	ninator.		
1	$\frac{1}{5} = \frac{2}{}$	23	$\frac{1}{3} = \frac{4}{}$	
2	$\frac{2}{5} = \frac{2}{10}$	24	$\frac{2}{3} = \frac{8}{12}$ $\frac{8}{12} = \frac{2}{12}$	
3	$\frac{3}{5} = \frac{3}{10}$	25	$\frac{8}{12} = \frac{2}{}$	
4	$\frac{4}{5} = \frac{10}{10}$	26	$\frac{12}{16} = \frac{1}{4}$	
5	$\frac{1}{2} = \frac{2}{}$	27	$\frac{3}{5} = \frac{15}{}$	
6	$\frac{1}{3} = \frac{1}{6}$	28	$\frac{4}{5} = \frac{4}{35}$	
7	$\frac{2}{3} = \frac{4}{}$	29	$\frac{18}{24} = \frac{1}{4}$ $\frac{24}{30} = \frac{4}{30}$	
8	$\frac{1}{3} = \frac{1}{9}$	30	$\frac{24}{30} = \frac{4}{}$	
. 9	$\frac{2}{3} = \frac{6}{}$	31	$\frac{5}{6} = \frac{1}{42}$	
10	$\frac{1}{4} = \frac{2}{}$	32	$\frac{56}{63} = \frac{8}{}$	
11	$\frac{3}{4} = \frac{6}{}$	33	$\frac{64}{72} = \frac{6}{9}$	
12	$\frac{1}{4} = \frac{1}{12}$	34	$\frac{5}{8} = \frac{40}{}$	
13	$\frac{3}{4} = \frac{3}{12}$	35	$\frac{5}{6} = \frac{5}{54}$	
14	$\frac{2}{4} = \frac{1}{}$	36	81	
15	$\frac{2}{6} = \frac{1}{3}$	37	$\frac{6}{7} = {56}$	
16	$\frac{2}{10} = \frac{1}{5}$	38	$\frac{36}{81} = \frac{4}{}$	
17	$\frac{4}{10} = \frac{2}{}$	39	$\frac{8}{56} = \frac{1}{7}$	
18	$\frac{8}{10} = \frac{4}{}$	40	$\frac{35}{63} = \frac{1}{9}$	
19	$\frac{3}{9} = \frac{1}{}$	41	$\frac{1}{6} = \frac{1}{72}$	
20	$\frac{6}{9} = \frac{2}{}$	42	$\frac{3}{7} = \frac{3}{84}$	
21	$\frac{1}{4} = \frac{1}{12}$ $\frac{1}{4} = \frac{1}{12}$	43	$\frac{48}{60} = \frac{1}{5}$	
2 3	9 3		72 6	

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22

Lesson 2:

 $\label{eq:make-equivalent} \mbox{Make equivalent fractions with sums of fractions with like denominators.}$

8/7/13

Date:

3.A.25

Correct

Find	the missing numerator or denominat	or.		
1	$\frac{1}{2} = \frac{1}{4}$ $\frac{1}{4} = \frac{2}{4}$	23	$\frac{1}{3} = \frac{1}{12}$	
2	5	24	$\frac{2}{3} = \frac{1}{12}$	
3	$\frac{2}{5} = \frac{2}{10}$	25	$\frac{8}{12} = {3}$	
4	$\frac{3}{5} = \frac{3}{10}$	26	$\frac{12}{16} = \frac{3}{}$	1,3
5	$\frac{4}{5} = \frac{1}{10}$ $\frac{1}{2} = \frac{2}{10}$	27.	$\frac{3}{5} = \frac{3}{25}$	
6	3	28	$\frac{4}{5} = \frac{28}{}$	
7	$\frac{2}{3} = \frac{1}{6}$	29	$\frac{18}{24} = \frac{3}{}$	
8	$\frac{1}{3} = \frac{3}{}$	30	$\frac{24}{30} = \frac{24}{5}$ $\frac{5}{6} = \frac{35}{6}$ $\frac{56}{63} = \frac{9}{9}$	-
9	$\frac{2}{3} = \frac{1}{9}$	31	$\frac{5}{6} = \frac{35}{}$	
10	$\frac{1}{4} = \frac{1}{8}$	32	$\frac{56}{63} = \frac{-}{9}$	
11	$\frac{3}{4} = \frac{1}{8}$	33	$\frac{64}{72} = \frac{8}{}$	
12	$\frac{1}{4} = \frac{3}{4}$	34	$\frac{5}{8} = \frac{5}{64}$	
13	$\frac{3}{4} = \frac{3}{8}$ $\frac{1}{4} = \frac{3}{4}$ $\frac{3}{4} = \frac{9}{4}$	35	$\frac{64}{72} = \frac{8}{72}$ $\frac{5}{8} = \frac{64}{64}$ $\frac{5}{6} = \frac{45}{81}$ $\frac{45}{81} = \frac{9}{9}$	
14		36	$\frac{45}{81} = \frac{1}{9}$	
15	$\frac{2}{6} = \frac{1}{}$	37	$\frac{6}{7} = \frac{48}{}$	
16	$\frac{2}{10} = \frac{1}{10}$	38	36	
17	$\frac{4}{10} = \frac{1}{5}$	39	$\frac{8}{56} = \frac{1}{}$	
18	$\frac{8}{10} = \frac{1}{5}$	40	$\frac{35}{63} = \frac{5}{}$	
19	$\frac{3}{9} = \frac{1}{3}$	41	$\frac{1}{6} = \frac{12}{}$	
20	$\frac{6}{9} = \frac{1}{3}$	42	$\frac{3}{7} = \frac{36}{}$	
21	12	43	$\frac{48}{60} = \frac{4}{}$	
22	$\frac{9}{12} = \frac{4}{4}$	44	$\frac{72}{84} = \frac{7}{7}$	

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Lesson 3:

Add fractions with unlike units using the strategy of creating equivalent fractions.

Date:

8/7/13

3.B.12

В	nd the missing numerator or	Improvement	#	Correct
1	$\frac{1}{5} = \frac{2}{}$	23	$\frac{1}{3} = \frac{4}{}$	
2	$\frac{2}{5} = \frac{2}{10}$	24	$\frac{2}{3} = \frac{8}{}$	
3	$\frac{3}{5} = \frac{3}{10}$	25	$\frac{8}{12} = \frac{2}{}$	
4	$\frac{4}{5} = \frac{4}{10}$	26	$\frac{12}{16} = \frac{1}{4}$	
5	$\frac{1}{2} = \frac{2}{}$	27	$\frac{3}{5} = \frac{15}{}$	
6	$\frac{\frac{1}{3}}{\frac{2}{6}} = \frac{4}{3}$	28	$\frac{4}{5} = \frac{3}{35}$	
7	$\frac{2}{3} = \frac{4}{}$	29	$\frac{18}{24} = \frac{1}{4}$	
8	$\frac{1}{3} = \frac{1}{9}$	30	$\frac{24}{30} = \frac{4}{30}$	^
9	$\frac{2}{3} = \frac{6}{}$	31	$\frac{5}{6} = \frac{3}{42}$	
10	$\frac{1}{4} = \frac{2}{}$	32	$\frac{56}{63} = \frac{8}{}$	
11	$\frac{3}{4} = \frac{6}{}$	33	$\frac{64}{72} = \frac{1}{9}$	
12	$\frac{1}{4} = \frac{1}{12}$	34	$\frac{5}{8} = \frac{40}{}$	
13	$\frac{3}{4} = \frac{3}{12}$	35	$\frac{5}{6} = \frac{5}{54}$	
14	$\frac{2}{4} = \frac{1}{}$	36	$\frac{45}{81} = \frac{5}{}$	
15	$\frac{2}{6} = \frac{1}{3}$	37	$\frac{6}{7} = {56}$	
16	$\frac{2}{10} = \frac{1}{5}$	38	$\frac{36}{81} = \frac{4}{}$	
17	$\frac{4}{10} = \frac{2}{10}$	39	$\frac{8}{56} = \frac{7}{7}$	
18	$\frac{8}{10} = \frac{4}{}$	40	$\frac{35}{63} = \frac{1}{9}$	
19	$\frac{3}{9} = \frac{1}{}$	41	$\frac{1}{6} = \frac{1}{72}$	21
20	$\frac{6}{9} = \frac{2}{}$	42	$\frac{3}{7} = \frac{3}{84}$	
21	$\frac{1}{4} = \frac{1}{12}$	43	$\frac{48}{60} = \frac{1}{5}$	
22	$\frac{\frac{1}{4}}{\frac{1}{4}} = \frac{1}{12}$ $\frac{9}{12} = \frac{3}{12}$	44	$\frac{72}{84} = \frac{6}{}$	

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Lesson 3:

Date:

Add fractions with unlike units using the strategy of creating equivalent fractions.

8/7/13

3.B.13

Subtract. Give each answer in its simplest form.

Correct _____

30	ibtract. Give each answer in its simples	t tonn,	and the second s	
1	$4 - \frac{1}{2} =$	23	$3 - \frac{1}{8} =$	
2	$3 \cdot \frac{1}{2} =$	24	$3 - \frac{3}{8} =$	
3	2-1/2 =	25	$3 - \frac{5}{8} =$	
4	$1 - \frac{1}{2} =$	26	3-7/8=	
5	$1 - \frac{1}{3} =$	27	$2 - \frac{7}{8} =$	
6	$2 - \frac{1}{3} =$	28	$4 - \frac{1}{7} =$	N/
7	$4 - \frac{1}{3} =$	29	$3 - \frac{6}{7} =$	
8	$4 \cdot \frac{2}{3} =$	30	$2 - \frac{3}{7} =$	
9	$2 - \frac{2}{3} =$	31	$4 - \frac{4}{7} =$	
10	2 - 1/4 =	32	$3 - \frac{5}{7} =$	V
11	$2 - \frac{3}{4} =$	33	$4 - \frac{3}{4} =$	
12	$3 - \frac{3}{4} =$	34	$2 - \frac{5}{8} =$	
13	3-1/4=	35	$2 - \frac{5}{8} = 3 - \frac{3}{10} =$	
14	$4 - \frac{3}{4} =$	36	$4 - \frac{2}{5} =$	
15	2 - 1/10 =	37	$4 - \frac{3}{7} =$	
16	3-9/10=	38	3 7 _	
17		39	$3 - \frac{5}{10} = $ $4 - \frac{2}{8} = $	
18	$4 - \frac{3}{10} =$	40	$4 - \frac{2}{8} =$	
19	$2 - \frac{7}{10} =$ $4 - \frac{3}{10} =$ $3 - \frac{1}{5} =$ $3 - \frac{2}{5} =$ $3 - \frac{4}{5} =$ $3 - \frac{3}{5} =$	41	$2 - \frac{9}{12} =$ $4 - \frac{2}{12} =$ $3 - \frac{2}{6} =$ $2 - \frac{8}{12} =$	
20	$3 - \frac{2}{5} =$	42	$4 - \frac{2}{12} =$	
21	3-4/5=	43	$3 - \frac{2}{6} =$	3
22	$3 - \frac{3}{5} =$	44	$2 - \frac{8}{12} =$	0

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Lesson 5:

Date:

Subtract fractions with unlike units using the strategy of creating equivalent fractions.

8/7/13

3.B.38

B	otract. Give each answer in its	Improvement	
1	$1 - \frac{1}{2} =$	23	2 - \frac{1}{8} =
2	2-1/2 =	24	$2 - \frac{3}{8} =$
3	3-1/2=	25	$2 \cdot \frac{5}{8} =$
4	$4 - \frac{1}{2} =$	26	2 - 7/8 =
5	1 - 1/4 =	27	4 - 7/8 =
6	2-1/4=	28	3 - 1/7 =
7	$4 - \frac{1}{4} =$	29	$2 \cdot \frac{6}{7} =$
8	$4 - \frac{3}{4} =$	30	$4 - \frac{3}{7} =$
9	$2 - \frac{3}{4} =$	31	$3 - \frac{4}{7} =$
10	2-1/3=	32	$2 \cdot \frac{5}{7} =$
11	$2 - \frac{2}{3} =$	33	$3 - \frac{3}{4} =$
12	$3 - \frac{2}{3} =$	34	$4 - \frac{5}{8} =$
13	$3 - \frac{1}{3} =$	35	$4 - \frac{5}{8} = 2 - \frac{3}{10} = 3 - \frac{2}{5} = $
14	$4 - \frac{2}{3} =$	36	$3 \cdot \frac{2}{5} =$
15	3 - 1/10 =	37	$3 - \frac{3}{7} =$
16	$2 \cdot \frac{9}{10} =$	38	$2 - \frac{7}{10} = 2 - \frac{5}{10} =$
17	4 - 7/10 =	. 39	$2 - \frac{5}{10} =$
18	3-3 =	40	3.6/8 =
19	$2 - \frac{1}{5} =$	41	$4 - \frac{3}{12} =$
20	$2 \cdot \frac{9}{10} = $ $4 \cdot \frac{7}{10} = $ $3 \cdot \frac{3}{10} = $ $2 \cdot \frac{1}{5} = $ $2 \cdot \frac{2}{5} = $	42	$3 \cdot \frac{6}{8} =$ $4 \cdot \frac{3}{12} =$ $3 \cdot \frac{10}{12} =$ $2 \cdot \frac{4}{6} =$ $4 \cdot \frac{4}{12} =$
21	$2 - \frac{4}{5} = 3 - \frac{3}{5} =$	43	2-4=
22	$3 - \frac{3}{5} =$	44	$4 - \frac{4}{12} =$

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Lesson 5:

Subtract fractions with unlike units using the strategy of creating equivalent fractions.

8/7/13

Correct____

Express as an improper fraction.

	express as an imprope				
1	$1\frac{1}{5} =$	/	23	$2\frac{7}{10} =$	/
2	$2\frac{1}{5} =$	/	24	$4\frac{9}{10} =$	/
3	$3\frac{1}{5} =$	/	25	$1\frac{1}{8} =$	/
4	$4\frac{1}{5} =$	/	26	$1\frac{5}{6} =$	/
5	$1\frac{1}{4} =$	/	27	$4\frac{5}{6} =$	/
6	$1\frac{3}{4} =$	/	28	$4\frac{5}{8} =$	/
7	$1\frac{2}{5} =$	/	29	$1\frac{5}{8} =$	/
8	$1\frac{3}{5} =$	/	30	$2\frac{3}{8} =$	/
9	$1\frac{4}{5} =$	/	31	$3\frac{3}{10} =$	/
10	$2\frac{4}{5} =$	/	32	$4\frac{7}{10} =$	/
11	$3\frac{4}{5} =$	/	33	$4\frac{4}{5} =$	/
12	$2\frac{1}{4} =$	/	34	$4\frac{1}{8} =$	/
13	$2\frac{3}{4} =$	/	35	$4\frac{3}{8} =$	/
14	$3\frac{1}{4} =$	/	36	$4\frac{7}{8} =$	/
15	$3\frac{3}{4} =$	/	37	$1\frac{5}{12} =$	/
16	$4\frac{1}{3} =$	/	38	$1\frac{7}{12} =$	/
17	$4\frac{2}{3} =$	/	39	$2\frac{1}{12} =$	/
18	$2\frac{3}{5} =$	/	40	$3\frac{1}{12} =$	/
19	$3\frac{3}{5} =$	/	41	$2\frac{7}{12} =$	/
20	$4\frac{3}{5} =$	/	42	$3\frac{5}{12} =$	/
21	$2\frac{1}{6} =$	/	43	$3\frac{11}{12} =$	/
22	$3\frac{1}{8} =$	/	44	$4\frac{7}{12} =$	/



Lesson 6: Date:

Subtract fractions from numbers between 1 and 2. 8/7/13

В

Correct____

Express as an improper fraction.

1	$1\frac{1}{2} =$	/	23	$2\frac{3}{10} =$	/
2	$2\frac{1}{2} =$	/	24	$3\frac{1}{10} =$	/
3	$3\frac{1}{2} =$	/	25	$1\frac{1}{6} =$	/
4	$4\frac{1}{2} =$	/	26	$1\frac{3}{8} =$	/
5	$1\frac{1}{3} =$	/	27	$3\frac{5}{6} =$	/
6	$1\frac{2}{3} =$	/	28	$3\frac{5}{8} =$	/
7	$1\frac{3}{10} =$	/	29	$2\frac{5}{8} =$	/
8	$1\frac{7}{10} =$	/	30	$1\frac{7}{8} =$	/
9	$1\frac{9}{10} =$	/	31	$4\frac{3}{10} =$	/
10	$2\frac{9}{10} =$	/	32	$3\frac{7}{10} =$	/
11	$3\frac{9}{10} =$	/	33	$2\frac{5}{6} =$	/
12	$2\frac{1}{3} =$	/	34	$2\frac{7}{8} =$	/
13	$2\frac{2}{3} =$	/	35	$3\frac{7}{8} =$	/
14	$3\frac{1}{3} =$	/	36	$4\frac{1}{6} =$	/
15	$3\frac{2}{3} =$	/	37	$1\frac{1}{12} =$	/
16	$4\frac{1}{4} =$	/	38	$1\frac{11}{12} =$	/
17	$4\frac{3}{4} =$	/	39	$4\frac{1}{12} =$	/
18	$2\frac{2}{5} =$	/	40	$2\frac{5}{12} =$	/
19	$3\frac{2}{5} =$	/	41	$2\frac{11}{12} =$	/
20	$4\frac{2}{5} =$	/	42	$3\frac{7}{12}$ =	/
21	$3\frac{1}{6} =$	/	43	$4\frac{5}{12} =$	/
22	$2\frac{1}{8} =$	/	44	$4\frac{11}{12} =$	/



Lesson 6: Subtract fractions from numbers between 1 and 2. 8/7/13

A	Circle the equivalent frac	ction.					# Соггес	t
1	$\frac{2}{4}$	$\frac{1}{2}$	$\frac{1}{3}$	23	$\frac{9}{27} =$	$\frac{2}{3}$	$\frac{1}{3}$	14
2	$\frac{2}{6} =$	$\frac{1}{2}$		24	$\frac{\frac{9}{27}}{\frac{9}{63}} =$ $\frac{\frac{8}{12}}{\frac{1}{2}} =$	$\frac{1}{6}$		
2	6		$\frac{1}{3}$	24	63	6	$\frac{1}{7}$	1/8
3	$\frac{2}{8}$ =	$\frac{1}{2}$	1 4	25	$\frac{8}{12} =$	$\frac{2}{3}$	3 4	$\frac{4}{5}$
4	5_	$\frac{1}{2}$	1/4	26	$\frac{8}{16} =$	$\frac{1}{2}$	$\frac{1}{3}$	1 4
	10	1	<u>4</u> 1		16 8	1	3 1	4 1
5	$\frac{5}{15} =$	$\frac{1}{2}$	$\overline{3}$	27	$\frac{3}{24} =$	$\frac{1}{2}$	$\overline{3}$	4
6	<u>5</u> =	$\frac{1}{2}$	1 4	28	$\frac{\frac{8}{24}}{\frac{8}{64}} =$	$\frac{1}{7}$	$\frac{1}{8}$	$ \begin{array}{c} $
7	$\frac{20}{\frac{4}{8}} =$			20	$\frac{12}{18} =$	$\frac{7}{3}$	$\phantom{00000000000000000000000000000000000$	2
7	8=	$\frac{1}{2}$	1/4	29	18	4	<u></u>	3
8	$\frac{4}{12} =$	$\frac{1}{2}$	$\frac{1}{3}$	30	$\frac{12}{16}$ =	3 4	$\frac{5}{6}$	$\frac{2}{3}$
9	4 =	$\frac{1}{2}$	$\frac{1}{4}$	31	$\frac{9}{12}$ =	3 4	5 6	2
	16	1	<u>4</u> 1		<u>12</u>	3	<u>6</u> 5	2.
10	$\frac{5}{6}$ =	$\frac{1}{2}$	$\overline{3}$	32	$\frac{6}{8}$ =	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$
11	$\frac{3}{6} = \frac{3}{9} =$	$\frac{1}{2}$	$\frac{1}{3}$	33	$\frac{10}{12} =$	3 4	5 6	$\frac{2}{3}$
12	$\frac{3}{12}$ =	$\frac{1}{2}$	$\frac{3}{\frac{1}{4}}$	34	$\frac{15}{18} =$	$\frac{3}{4}$	$\frac{5}{6}$	2
12	12			34	18	4	6	$\frac{\overline{3}}{3}$
13	$\frac{4}{6} =$	$\frac{2}{3}$	$\frac{1}{3}$	35	$\frac{8}{10} =$	3 4	4 5	$\frac{2}{3}$
14	$\frac{6}{12} =$	$\frac{\frac{2}{3}}{\frac{2}{3}}$	$\frac{\frac{1}{3}}{\frac{1}{2}}$	36	$\frac{16}{}$ =	$\frac{3}{4}$	4 5	2
	6				20 12	3	<u>5</u>	3 2
15	$\frac{6}{18}$ =	$\frac{2}{3}$	$\frac{1}{3}$	37	$\frac{12}{15}$ =	$\frac{3}{4}$	$\frac{4}{5}$	3
16	$\frac{6}{30} =$	$\frac{1}{5}$	$\frac{1}{3}$	38	$\frac{18}{27} =$	$\frac{3}{4}$	$\frac{4}{5}$	$\frac{2}{3}$
17	$\frac{6}{9}$ =	$\frac{2}{3}$	$\frac{1}{3}$	39	$\frac{27}{27} =$	3 4	4 5	$\frac{2}{3}$
17	9	3	$\frac{\overline{3}}{1}$	39	36	4	5	3
18	$\frac{7}{14} =$	$\frac{1}{2}$	$\frac{1}{3}$	40	$\frac{32}{40} =$	3 4	4 5	$\frac{2}{3}$
19	<u>7</u> =	$\frac{1}{2}$	$\frac{\overline{3}}{\frac{1}{3}}$	41	45 =	$\frac{3}{4}$	4 5	$\frac{2}{3}$ $\frac{5}{6}$
	21 7 =				54 24	3	5 4	
20	42	1 6	$\frac{1}{7}$	42	$\frac{24}{36} =$	3 4	<u>4</u> 5	3
21	$\frac{8}{12} =$	$\frac{2}{3}$	3 4	43	$\frac{60}{72} =$	$\frac{3}{4}$	5 6	$\frac{\frac{2}{3}}{\frac{2}{3}}$
22	$\frac{9}{10}$ =	$\frac{1}{2}$	1	44	$\frac{72}{48} =$	$\frac{3}{4}$	4	$\frac{5}{6}$
	18	2	3	44	60	4	5	6



Lesson 7: Date:

Solve two-step word problems. 8/7/13

COMMON CORE MATHEMATICS

В	Circle the equivalent	fraction.	Improvemer	nt			# Correct	
1	$\frac{5}{10} =$	$\frac{1}{2}$	$\frac{1}{3}$	23	$\frac{8}{24} =$	$\frac{2}{3}$	$\frac{1}{3}$	$\frac{1}{4}$
2	$\frac{5}{15} =$	$\frac{1}{2}$	$\frac{1}{3}$	24	$\frac{8}{56} =$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$
3	$\frac{5}{20} =$	$\frac{1}{2}$	1 4	25	$\frac{8}{12} =$	$\frac{2}{3}$	$\frac{3}{4}$	$\frac{4}{5}$
4	$\frac{2}{4} =$	$\frac{1}{2}$	$\frac{1}{3}$	26	$\frac{9}{18} =$	$\frac{1}{2}$	$\frac{1}{3}$	1/4
5	$\frac{2}{6} =$	$\frac{1}{2}$	$\frac{1}{3}$	27	$\frac{9}{27} =$	$\frac{1}{2}$	$\frac{1}{3}$	1/4
6	$\frac{2}{8}$ =	1/2	1/4	28	$\frac{9}{72} =$	1 7	18	1 9
7	$\frac{3}{6} =$	$\frac{1}{2}$	$\frac{1}{3}$	29	$\frac{12}{18} =$	3 4	5 6	$\frac{2}{3}$
8	$\frac{3}{9} =$	1/2	1 3	30	$\frac{6}{8} =$	3 4	<u>5</u>	$\frac{2}{3}$
9	$\frac{3}{12} =$	1/4	1/3	31	$\frac{9}{12} =$	3 4	5 6	$\frac{\frac{2}{3}}{3}$
10	4 =	$\frac{1}{2}$	$\frac{\frac{1}{3}}{1}$	32	$\frac{12}{16} =$	3 4	<u>5</u> 6	$ \begin{array}{r} \frac{2}{3} \\ \frac{2}{3} \\ \frac{2}{3} \\ \frac{2}{3} \end{array} $
11	\frac{4}{12} =	$\frac{1}{2}$	$\frac{\frac{1}{3}}{1}$	33	$\frac{8}{10} =$	3 4	4/5 4	$\frac{2}{3}$
12	$\frac{4}{16} =$	1/4	1/3	34	$\frac{16}{20} =$	3 4	<u>-</u>	
13	$\frac{4}{6} =$	$\frac{2}{3}$	1/2	35	$\frac{12}{15} =$	3 4	4 5	$\frac{\frac{2}{3}}{\frac{5}{6}}$
14	7 =	$\frac{2}{3}$	1 2	36	$\frac{10}{12} =$	3 4	4/5 5/6	
15	$\frac{7}{21} =$	1 5	1/3	37	$\frac{15}{18} =$	3 4		$\frac{2}{3}$
16	$\frac{7}{35}$ =	1/5	1/3	38	$\frac{16}{24} =$	3 4	<u>4</u> 5	$\frac{2}{3}$
17	6 9 =	$\frac{2}{3}$	$\frac{1}{3}$	39	$\frac{24}{32} =$	3 4	<u>4</u> 5	$\frac{2}{3}$
18	$\frac{6}{12} =$	$\frac{1}{2}$	$\frac{1}{3}$	40	$\frac{36}{45} =$	3 4	<u>4</u> 5	$\frac{2}{3}$
19	$\frac{6}{18}$ =	16	1/3	41	$\frac{40}{48} =$	3 4	4 5	5 6
20	$\frac{6}{36} =$	1 6	1/3	42	$\frac{24}{36} =$	3 4	4 5	$\frac{2}{3}$
21	$\frac{8}{12}$ =	$\frac{2}{3}$	3 4	43	$\frac{48}{60} =$	3 4	56	<u>4</u> <u>5</u>
22	$\frac{8}{16} =$	$\frac{1}{2}$	$\frac{1}{3}$	44	$\frac{60}{72} =$	$\frac{3}{4}$	$\frac{5}{6}$	$\frac{2}{3}$



8/7/13

A

Correct____

Add or subtract.

1	$\frac{1}{5} + \frac{1}{5} =$	/	23	$\frac{1}{9} + \frac{1}{9} + \frac{1}{9} =$	/
2	$\frac{1}{10} + \frac{5}{10} =$	/	24	$\frac{1}{9} + \frac{3}{9} + \frac{1}{9} =$	/
3	$\frac{1}{10} + \frac{7}{10} =$	/	25	$\frac{4}{9} - \frac{1}{9} - \frac{3}{9} =$	/
4	$\frac{2}{5} + \frac{2}{5} =$	/	26	$\frac{1}{4} + \frac{2}{4} + \frac{1}{4} =$	1
5	$\frac{5}{10} - \frac{4}{10} =$	/	27	$\frac{1}{8} + \frac{3}{8} + \frac{2}{8} =$	/
6	$\frac{3}{5} - \frac{1}{5} =$	/	28	$\frac{5}{12} + \frac{1}{12} + \frac{5}{12} =$	/
7	$\frac{3}{10} + \frac{3}{10} =$	/	29	$\frac{2}{9} + \frac{3}{9} + \frac{2}{9} =$	/
8	$\frac{4}{5} - \frac{1}{5} =$	/	30	$\frac{3}{10} - \frac{3}{10} + \frac{3}{10} =$	1
9	$\frac{1}{4} + \frac{1}{4} =$	/	31	$\frac{3}{5} - \frac{1}{5} - \frac{1}{5} =$	/
10	$\frac{1}{4} + \frac{2}{4} =$	/	32	$\frac{1}{6} + \frac{2}{6} =$	1
11	$\frac{3}{12} - \frac{2}{12} =$	/	33	$\frac{3}{12} + \frac{4}{12} =$	/
12	$\frac{1}{4} + \frac{3}{4} =$	/	34	$\frac{3}{12} + \frac{6}{12} =$	/
13	$\frac{1}{12} + \frac{1}{12} =$	/	35	$\frac{4}{8} + \frac{2}{8} =$	/
14	$\frac{1}{3} + \frac{1}{3} =$	/	36	$\frac{4}{12} + \frac{1}{12} =$	1
15	$\frac{3}{12} - \frac{2}{12} =$	/	37	$\frac{1}{5} + \frac{3}{5} =$	/
16	$\frac{5}{12} + \frac{6}{12} =$	/	38	$\frac{2}{5} + \frac{2}{5} =$	/
17	$\frac{7}{12} + \frac{4}{12} =$	/	39	$\frac{1}{6} + \frac{2}{6} =$	/
18	$\frac{4}{6} - \frac{1}{6} =$	/	40	$\frac{5}{12} - \frac{3}{12} =$	/
19	$\frac{1}{6} + \frac{2}{6} =$	/	41	$\frac{7}{15} - \frac{2}{15} =$	/
20	$\frac{1}{6} + \frac{1}{6} + \frac{1}{6} =$	/	42	$\frac{7}{15} - \frac{3}{15} =$	/
21	$\frac{1}{3} + \frac{1}{3} + \frac{1}{3} =$	/	43	$\frac{11}{15} - \frac{2}{15} =$	/
22	$\frac{1}{12} + \frac{1}{12} + \frac{1}{12} =$	/	44	$\frac{2}{15} + \frac{4}{15} =$	/



Lesson 9: Date:

Add fractions making like units numerically.

B

Improvement_____

Correct__

Add or subtract.

COMMON CORE MATHEMATICS

	Add or subtract.				
1	$\frac{1}{2} + \frac{1}{2} =$	1	23	$\frac{1}{12} + \frac{6}{12} + \frac{2}{12} =$	/
2	$\frac{2}{8} + \frac{1}{8} =$	/	24	$\frac{4}{12} + \frac{3}{12} + \frac{3}{12} =$	/
3	$\frac{2}{8} + \frac{3}{8} =$	/	25	$\frac{8}{12} - \frac{4}{12} - \frac{4}{12} =$	/
4	$\frac{2}{12} - \frac{1}{12} =$	/	26	$\frac{1}{10} + \frac{2}{10} + \frac{4}{10} =$	/
5	$\frac{5}{12} + \frac{2}{12} =$	/	27	$\frac{1}{10} + \frac{1}{10} + \frac{6}{10} =$	/
6	$\frac{4}{8} + \frac{3}{8} =$	/	28	$\frac{4}{6} + \frac{1}{6} + \frac{1}{6} =$	/ * ,
7	$\frac{4}{8} - \frac{3}{8} =$	/	29	$\frac{2}{12} + \frac{3}{12} + \frac{4}{12} =$	/
8	$\frac{1}{8} + \frac{5}{8} =$	/	30	$\frac{2}{10} + \frac{4}{10} + \frac{4}{10} =$	/
9	$\frac{3}{4} - \frac{1}{4} =$	/	31	$\frac{3}{10} + \frac{1}{10} + \frac{2}{10} =$	/
10	$\frac{3}{6} - \frac{3}{6} =$	/	32	$\frac{4}{6} - \frac{2}{6} =$	/
11	$\frac{3}{9} + \frac{3}{9} =$	/	33	$\frac{3}{12} - \frac{2}{12} =$	/
12	$\frac{2}{3} + \frac{1}{3} =$	/	34	$\frac{2}{3} + \frac{1}{3} =$	/
13	$\frac{6}{9} - \frac{4}{9} =$	/	35	$\frac{2}{4} + \frac{1}{4} =$	/
14	$\frac{5}{9} - \frac{3}{9} =$	/	36	$\frac{3}{12} + \frac{2}{12} =$	/
15	$\frac{2}{9} + \frac{2}{9} =$	/	37	$\frac{1}{5} + \frac{2}{5} =$	/
16	$\frac{1}{12} + \frac{3}{12} =$	/	38	$\frac{4}{5} - \frac{4}{5} =$	/
17	$\frac{5}{12} - \frac{4}{12} =$	/	39	$\frac{5}{12} - \frac{1}{12} =$	/
18	$\frac{9}{12} - \frac{6}{12} =$	/	40	$\frac{6}{8} + \frac{2}{8} =$	/
19	$\frac{6}{10} - \frac{4}{10} =$	/	41	$\frac{2}{8} + \frac{2}{8} + \frac{2}{8} =$	/
20	$\frac{2}{8} + \frac{2}{8} + \frac{2}{8} =$	/	42	$\frac{9}{10} - \frac{7}{10} - \frac{1}{10} =$	/
21	$\frac{1}{10} + \frac{1}{10} + \frac{1}{10} =$	/	43	$\frac{2}{10} + \frac{5}{10} + \frac{2}{10} =$	/
22	$\frac{7}{10} - \frac{2}{10} - \frac{4}{10} =$	/	44	$\frac{9}{12} - \frac{1}{12} - \frac{4}{12} =$	1



A

Correct_____

Add or subtract.

	Add or subtract.				
1	3 + 1 =	1	23	$3\frac{5}{6} + 7 =$	/
2	$3 + \frac{1}{2} =$	/	24	$7\frac{5}{6} + 3 =$	/
3	$3\frac{1}{2} + 1 =$	/	25	$10\frac{5}{6} - 3 =$	1
4	3 – 1 =	/	26	$10\frac{5}{6} - 7 =$	/
5	$3\frac{1}{2} - 1 =$	/	27	$3 + \frac{4}{5} + 2 =$	/
6	4-2=	/	28	$5 + \frac{7}{8} + 4 =$	/
7	$4\frac{1}{2} - 2 =$	/	29	$7 + \frac{4}{5} - 2 =$	/
8	5 – 2 =	/	30	$9 + \frac{5}{12} - 5 =$	1
9	$5\frac{1}{3} - 2 =$	/	31	$7 + \frac{1}{5} + \frac{1}{5} + 2 =$	1
10	$5\frac{2}{3} - 2 =$	/	32	$7 + \frac{2}{5} + 2 =$	1
11	$5\frac{2}{3} + 2 =$	/	33	$7 + \frac{2}{5} + 2 + \frac{2}{5} =$	1
12	6 + 2 =	/	34	$7\frac{2}{5} + 2\frac{2}{5} =$	1
13	$6 + \frac{3}{4} =$	/	35	$6 + \frac{1}{3} + 1 + \frac{1}{3} =$	/
14	$6\frac{3}{4} + 2 =$	/	36	$6\frac{1}{3} + 1\frac{1}{3} =$	/
15	$6\frac{3}{4} - 2 =$	/	37	$6 + \frac{2}{3} - 1 =$	/
16	$6\frac{3}{4} - 3 =$	/	38	$6\frac{2}{3} - 1\frac{1}{3} =$	/
17	$6\frac{3}{4} - 4 =$	/	39	$6\frac{2}{3} - 1\frac{2}{3} =$	/
18	$6\frac{3}{4} - 6 =$	/	40	$3 + \frac{4}{7} + 1 + \frac{2}{7} =$	/
19	$6\frac{3}{4} - \frac{3}{4} =$	/	41	$3\frac{4}{7} + 1\frac{2}{7} =$	/
20	$2\frac{5}{6} + 3 =$	/	42	$7\frac{4}{5} - 2\frac{3}{5} =$	/
21	$2\frac{1}{6} + 3 =$	/	43	$7\frac{4}{5} - 2\frac{2}{5} =$	1
22	$2\frac{5}{6} + 7 =$	/	44	$13\frac{7}{9} - 7\frac{5}{9} =$	/



Lesson 10: Date:

 $\label{eq:Add fractions} \text{Add fractions with sums greater than 2.}$ 8/7/13

B

Improvement_____

Correct_

Add or subtract.

	Add or subtract.				
1	2+1=	1	23	$4\frac{5}{6} + 6 =$	/
2	$2 + \frac{1}{2} =$. /	24	$6\frac{5}{6} + 4 =$	/
3	$2\frac{1}{2} + 1 =$	/	25	$10\frac{5}{6} - 4 =$	/
4	2-1=	/	26	$10\frac{5}{6} - 6 =$	/
5	$2\frac{1}{2} - 1 =$	/	27	$4 + \frac{4}{5} + 2 =$	/
6	5-2=	/	28	$6 + \frac{7}{8} + 3 =$	/
7	$5\frac{1}{2} - 2 =$	/	29	$6 + \frac{4}{5} - 2 =$	1
8	6-2=	/	30	$9 + \frac{5}{12} - 4 =$	1
9	$6\frac{1}{3} - 2 =$	/	31	$6 + \frac{1}{5} + \frac{1}{5} + 2 =$	/
10	$6\frac{2}{3} - 2 =$	/	32	$6 + \frac{2}{5} + 2 =$	/
11	$6\frac{2}{3} + 2 =$	/	33	$6 + \frac{2}{5} + 2 + \frac{2}{5} =$	/
12	7 + 2 =	/	34	$6\frac{2}{5} + 2\frac{2}{5} =$	/
13	$7 + \frac{3}{4} =$	/	35	$5 + \frac{1}{3} + 1 + \frac{1}{3} =$	/
14	$7\frac{3}{4} + 2 =$	/	36	$5\frac{1}{3} + 1\frac{1}{3} =$	/
15	$7\frac{3}{4} - 2 =$	/	37	$7 + \frac{2}{3} - 1 =$	/
16	$7\frac{3}{4} - 3 =$	/	38	$7\frac{2}{3} - 1\frac{1}{3} =$	1
17	$7\frac{3}{4} - 4 =$	/	39	$7\frac{2}{3} - 1\frac{2}{3} =$	/
18	$7\frac{3}{4} - 7 =$	/	40	$5 + \frac{4}{7} + 1 + \frac{2}{7} =$	/
19	$7\frac{3}{4} - \frac{3}{4} =$. /	41	$5\frac{4}{7} + 1\frac{2}{7} =$	/
20	$3\frac{5}{6} + 2 =$	/	42	$6 + \frac{4}{5} - 2\frac{3}{5} =$	/
21	$3\frac{1}{6} + 2 =$	/	43	$6\frac{4}{5} - 2\frac{3}{5} =$	/
22	$3\frac{5}{6} + 6 =$	1	44	$13\frac{7}{9} - 6\frac{5}{9} =$	1
		1		100mm	/



A

Correct_

Subtract.

	Subtract.				
1	$\frac{2}{4} - \frac{1}{4} =$	/	23	$\frac{4}{5} - \frac{7}{10} =$	/
2	$\frac{1}{2} - \frac{1}{4} =$	/	24	$\frac{2}{12} - \frac{1}{12} =$	1
3	$\frac{2}{6} - \frac{1}{6} =$	1	25	$\frac{1}{6} - \frac{1}{12} =$	/
4	$\frac{1}{3} - \frac{1}{6} =$	/	26	$\frac{6}{12} - \frac{1}{12} =$	/
5	$\frac{2}{8} - \frac{1}{8} =$	1	27	$\frac{1}{2} - \frac{1}{12} =$	/
6	$\frac{1}{4} - \frac{1}{8} =$	/	28	$\frac{1}{2} - \frac{5}{12} =$	1
7	$\frac{6}{8} - \frac{1}{8} =$	1	29	$\frac{10}{12} - \frac{5}{12} =$	1
8	$\frac{3}{4} - \frac{1}{8} =$	/	30	$\frac{5}{6} - \frac{5}{12} =$	1
9	$\frac{3}{4} - \frac{3}{8} =$	1	31	$\frac{1}{3} - \frac{3}{12} =$	/
10	$\frac{5}{10} - \frac{2}{10} =$	1	32	$\frac{2}{3} - \frac{1}{12} =$	/
11	$\frac{1}{2} - \frac{2}{10} =$	/	33	$\frac{2}{3} - \frac{3}{12} =$	/
12	$\frac{1}{2} - \frac{2}{10} =$	1	34	$\frac{2}{3} - \frac{7}{12} =$	/
13	$\frac{4}{10} - \frac{1}{10} =$	/	35	$\frac{1}{4} - \frac{2}{12} =$	/
14	$\frac{2}{5} - \frac{1}{10} =$	1	36	$\frac{1}{5} - \frac{1}{15} =$	/
15	$\frac{2}{5} - \frac{3}{10} =$	1	37	$\frac{1}{3} - \frac{1}{15} =$	/
16	$\frac{6}{10} - \frac{3}{10} =$	/	38	$\frac{2}{3} - \frac{3}{15} =$	/
17	$\frac{3}{5} - \frac{3}{10} =$	/	39	$\frac{2}{5} - \frac{4}{15} =$	- 1
18	$\frac{3}{5} - \frac{5}{10} =$	/	40	$\frac{3}{4} - \frac{2}{12} =$	1
19	$\frac{8}{10} - \frac{1}{10} =$	/	41	$\frac{3}{4} - \frac{5}{16} =$	/
20	$\frac{4}{5} - \frac{1}{10} =$	/	42	$\frac{4}{5} - \frac{5}{15} =$	/
21	$\frac{4}{5} - \frac{5}{10} =$	/	43	$\frac{3}{4} - \frac{4}{12} =$	/
22	$\frac{4}{5} - \frac{5}{10} =$	/	44	$\frac{3}{4} - \frac{7}{16} =$	1



Lesson 12: Date:

Subtract fractions greater than or equal to 1. 8/7/13

В	Improvement				# Correct
300	Subtract.				
1	$\frac{2}{10} - \frac{1}{10} =$	/	23	$\frac{3}{4} - \frac{3}{8} =$	/
2	$\frac{1}{5} - \frac{1}{10} =$	/	24	$\frac{5}{15} - \frac{1}{15} =$	/
3	$\frac{2}{4} - \frac{1}{4} =$	/	25	$\frac{1}{3} - \frac{1}{15} =$	/
4	$\frac{1}{2} - \frac{1}{4} =$	/	26	$\frac{3}{15} - \frac{1}{15} =$	/
5	$\frac{5}{10} - \frac{2}{10} =$	/	27	$\frac{1}{5} - \frac{1}{15} =$	/
6	$\frac{1}{2} - \frac{2}{10} =$	/	28	$\frac{1}{5} - \frac{2}{15} =$	/
7	$\frac{1}{2} - \frac{4}{10} =$	/	29	$\frac{12}{15} - \frac{4}{15} =$	/
8	$\frac{4}{10} - \frac{1}{10} =$	/	30	$\frac{4}{5} - \frac{4}{15} =$	1
9	$\frac{2}{5} - \frac{1}{10} =$	/	31	$\frac{1}{4} - \frac{2}{12} =$	/
10	$\frac{2}{5} - \frac{3}{10} =$	/	32	$\frac{3}{4} - \frac{2}{12} =$	/
11	$\frac{6}{10} - \frac{3}{10} =$	/	33	$\frac{3}{4} - \frac{4}{12} =$	/
12	$\frac{3}{5} - \frac{3}{10} =$	/	34	$\frac{3}{4} - \frac{8}{12} =$	/
13	$\frac{3}{5} - \frac{5}{10} =$	/	35	$\frac{1}{3} - \frac{3}{12} =$	/
14	$\frac{8}{10} - \frac{1}{10} =$	/	36	$\frac{1}{6} - \frac{1}{12} =$	/
15	$\frac{4}{5} - \frac{1}{10} =$	/	37	$\frac{1}{3} - \frac{3}{15} =$	/
16	$\frac{4}{5} - \frac{5}{10} =$	/	38	$\frac{2}{3} - \frac{2}{15} =$	/
17	$\frac{4}{5} - \frac{5}{10} =$	/	39	$\frac{2}{5} - \frac{2}{15} =$	/
18	$\frac{4}{5} - \frac{7}{10} =$	/	40	$\frac{3}{4} - \frac{4}{12} =$	/
19	$\frac{2}{8} - \frac{1}{8} =$	/	41	$\frac{3}{4} - \frac{7}{16} =$	/
20	$\frac{1}{4} - \frac{1}{8} =$	/	42	$\frac{4}{5} - \frac{4}{15} =$	/
21	$\frac{6}{8} - \frac{1}{8} =$	/	43	$\frac{3}{4} - \frac{2}{12} =$	/
22	$\frac{3}{4} + \frac{1}{8} =$	/	44	$\frac{3}{4} - \frac{5}{16} =$	/



A

Correct _____

1	$\frac{2}{4} =$	1	23	9 =	1
2	$\frac{2}{6} =$	1	24	$\frac{9}{63}$ =	1
3	$\frac{2}{8} =$	1	25	$\frac{8}{12} =$	1
4	$\frac{5}{10} =$	1	26	$\frac{8}{16} =$	1
5	$\frac{5}{15} =$	1	27	$\frac{8}{24} = \frac{8}{64} $	1
6	$\frac{5}{20} =$	1	28	64	1
7	$\frac{4}{8}$ =	1	29	$\frac{12}{18}$ =	1
8	$\frac{4}{12}$ =	1	30	$\frac{12}{16}$ =	1
9	$\frac{4}{16}$ =	1	31	9/12 =	1
10	$\frac{3}{6}$ =	1	32	$\frac{6}{8} =$	1
11	$\frac{3}{9} =$	1	33	$\frac{10}{12}$ =	1
12	$\frac{3}{9} = \frac{3}{12} = \frac{3}{12}$	1	34	$\frac{15}{18} =$	1
13	$\frac{\frac{4}{6}}{\frac{6}{12}} =$	1	35	$\frac{8}{10} =$	1
14	$\frac{6}{12}$ =	1	36	$\frac{16}{20}$ =	1
15	$\frac{6}{18} =$	1	37	$\frac{12}{15}$ =	1
16	$\frac{6}{30} =$	1	38	$\frac{18}{27}$ =	1
17	$\frac{6}{9}$ =	1	39	$\frac{27}{36}$ =	1 *
18	$\frac{7}{14}$ =	1	40	$\frac{32}{40}$ =	1
19	$\frac{7}{21}$ =	1	41	$\frac{45}{54}$ =	1
20	$\frac{\frac{7}{14}}{\frac{7}{21}} = \frac{\frac{7}{21}}{\frac{7}{42}} = \frac{\frac{7}{42}}{\frac{7}{42}} = \frac{\frac{7}{14}}{\frac{7}{42}} = \frac{\frac{7}{14}}{\frac{7}{14}} = \frac{\frac{7}{14}}{\frac{7}} = \frac{$	1	42	$\frac{24}{36}$ =	1
21	$\frac{\frac{8}{12}}{\frac{9}{18}} =$	1	43	$\frac{60}{72}$ =	1
22	9 =	1	44	$\frac{48}{60} =$	1

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Lesson 14: 8/7/13 B

Improvement _____

Correct _

			100		
1	$\frac{5}{10} =$	1	23	$\frac{8}{24} =$	1
2	$\frac{5}{15} =$	1	24	$\frac{8}{56} = \frac{8}{12} $	1
3	5	1	25	8/12 =	1
4	$\frac{\overline{20}}{\overline{4}} =$	1	26	$\frac{12}{9} = \frac{9}{18} = \frac{9}{27} = \frac{9}{27}$	1
5	$\frac{2}{6} =$	1	27	9 =	1
6	$\frac{2}{8} =$	1	28	9 =	1
7	$\frac{\frac{2}{8}}{\frac{3}{6}} =$	1	29	$\frac{9}{72} =$ $\frac{12}{18} =$ $\frac{6}{8} =$	1
8	$\frac{\frac{3}{9}}{\frac{3}{12}} =$	1	30	$\frac{6}{8} =$	1
9	$\frac{3}{12}$ =	1	31	$\frac{9}{12} = \frac{12}{16} = \frac{12}$	1
10	$\frac{4}{8} =$	1	32	10	1
11	$\frac{4}{12}$ =	1	33	$\frac{8}{10} =$	1
12	$\frac{4}{16}$ =	1	34	$\frac{16}{20}$ =	1
13	$\frac{\frac{4}{6}}{\frac{7}{14}} =$	1	35	$\frac{12}{15}$ =	. 1
14	$\frac{7}{14} =$	1	36	$\frac{10}{12}$ =	1
15	$\frac{7}{21}$ =	1	37	$\frac{15}{18}$ =	1
16	$\frac{7}{35} =$	1	38	$\frac{16}{24}$ =	1
17	$\frac{6}{9}$ =	1	39	$\frac{24}{32}$ =	1
18	$\frac{6}{12} =$	1	40	$\frac{36}{45}$ =	1
19	$\frac{6}{18} =$	1	41	$\frac{40}{48}$ =	<u>I</u>
20	$\frac{6}{36}$ =	1	42	$\frac{24}{36}$ =	1
21	$\frac{8}{12} =$	1	43	$\frac{48}{60}$ =	1
22	$\frac{8}{16} =$	1	44	$\frac{60}{72}$ =	1

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52



Strategize to solve multi-term problems.

A

Correct_____

Circle the smallest fraction.

1	$\frac{1}{2}$ $\frac{1}{4}$	23	$\frac{1}{4}$ $\frac{1}{8}$
2	$\frac{1}{2}$ $\frac{3}{4}$	24	$\frac{1}{4}$ $\frac{3}{8}$
3	$\frac{1}{2}$ $\frac{5}{8}$	25	$\frac{1}{4}$ $\frac{7}{12}$
4	$\frac{1}{2}$ $\frac{7}{8}$	26	$\frac{1}{4} \qquad \qquad \frac{11}{12}$
5	$\frac{1}{2}$ $\frac{1}{10}$	27	$\frac{1}{6}$ $\frac{7}{12}$
6	$\frac{1}{2}$ $\frac{3}{10}$	28	$\frac{1}{6} \qquad \qquad \frac{11}{12}$
7	$\frac{1}{2}$ $\frac{5}{12}$	29	$\frac{2}{3}$ $\frac{1}{6}$
8	$\frac{1}{2} \qquad \qquad \frac{11}{12}$	30	$\frac{2}{3}$ $\frac{5}{6}$
9	$\frac{1}{2}$ $\frac{7}{10}$	31	$\frac{2}{3}$ $\frac{2}{9}$
10	$\frac{1}{5}$ $\frac{9}{10}$	32	$\frac{2}{3}$ $\frac{4}{9}$
11	$\frac{2}{5}$ $\frac{1}{10}$	33	$\frac{2}{3}$ $\frac{1}{12}$
12	$\frac{2}{5}$ $\frac{3}{10}$	34	$\frac{2}{3}$ $\frac{5}{12}$
13	$\frac{3}{5}$ $\frac{3}{10}$	35	$\frac{2}{3} \qquad \qquad \frac{11}{12}$
14	$\frac{3}{5}$ $\frac{7}{10}$	36	$\frac{2}{3}$ $\frac{7}{12}$
15	$\frac{4}{5}$ $\frac{1}{10}$	37	$\frac{3}{4}$ $\frac{1}{8}$
16	$\frac{4}{5}$ $\frac{9}{10}$	38	$\frac{3}{4}$ $\frac{1}{8}$
17	$\frac{1}{3}$ $\frac{1}{9}$	39	$\frac{5}{6} \qquad \qquad \frac{7}{12}$
18	$\frac{1}{3}$ $\frac{2}{9}$	40	$\frac{5}{6} \qquad \qquad \frac{5}{12}$
19	$\frac{1}{3}$ $\frac{4}{9}$	41	$\frac{6}{7} \qquad \frac{38}{42}$
20	$\frac{1}{3}$ $\frac{8}{9}$	42	$\frac{7}{8} \qquad \qquad \frac{62}{72}$
21	$\frac{1}{3}$ $\frac{1}{12}$	43	49 54 8 9
22	$\frac{1}{3}$ $\frac{5}{12}$	44	$\frac{67}{72}$ $\frac{11}{12}$



Lesson 15:

Solve multi-step word problems; assess reasonableness of solutions using benchmark numbers.

8/7/13

В	Imp		nprovement		# Correct	
	e smallest fraction.	ADDITION OF THE	200			
1	$\frac{1}{2}$	$\frac{1}{6}$	23	$\frac{1}{4}$	<u>5</u> 8	
2	1/2	<u>5</u>	24	1/4	7 8	
3	$\frac{1}{2}$	$\frac{1}{8}$	25	1/4	1/12	
4	$\frac{1}{2}$	3 8	26	1/4	5 12	
5	1/2	7 10	27	1/6	1/12	
6	1/2	$\frac{9}{10}$	28	$\frac{1}{6}$	5 12	
7	$\frac{1}{2}$	1 12	29	2 3	1 9	
8	1/2	7 12	30	$\frac{2}{3}$	7 9	
9	1 5	1 10	31	$\frac{2}{3}$	5 9	
10	1 5	$\frac{3}{10}$	32	$\frac{2}{3}$	8 9	
11	2 5	$\frac{7}{10}$	33	3 4	$\frac{1}{2}$	
12	2 5	9 10	34	$\frac{3}{4}$	5 12	
13	3 5	1/10	35	$\frac{3}{4}$	11 12	
14	3 5	9 10	36	$\frac{3}{4}$	7 12	
15	4 5	$\frac{3}{10}$	37	<u>5</u>	1/12	
16	4 5	7/10	38	<u>5</u>	11 12	
17	$\frac{1}{3}$	$\frac{1}{6}$	39	$\frac{3}{4}$	5 8	
18	1 3	<u>5</u>	40	$\frac{3}{4}$	$\frac{3}{8}$	
19	1 3	5 9	41	$\frac{6}{7}$	34 42	
20	$\frac{1}{3}$	$\frac{7}{9}$	42	$\frac{7}{8}$	64 72	
21	$\frac{1}{3}$	7 12	43	47 54	8 9	
22	1 3	11 12	44	65 72	11 12	



Lesson 15:

Date:

Solve multi-step word problems; assess reasonableness of solutions using benchmark numbers.

8/7/13

Write the Fraction, Whole Number, or Mixed Number.

Correct

	Write the Fraction, Whole	rtarribor, or mixed rtarrib			
1	1 ÷ 2 =		23	6 ÷ 2 =	
2	1 ÷ 3 =		24	7 ÷ 2 =	
3	1 ÷ 8 =		25	8 ÷ 8 =	
4	2 ÷ 2 =		26	9 ÷ 8 =	
5	2 ÷ 3 =		27	15 ÷ 8 =	
6	3 ÷ 3 =		28	8 ÷ 4 =	
7	3 ÷ 4 =		29	11 ÷ 4 =	
8	3 ÷ 10 =		30	15 ÷ 2 =	
9	3 ÷ 5 =		31	24 ÷ 5 =	
10	5 ÷ 5 =		32	17 ÷ 4 =	
11	6 ÷ 5 =		33	20 ÷ 3 =	
12	7 ÷ 5 =		34	13 ÷ 6 =	
13	9 ÷ 5 =		35	30 ÷ 7 =	
14	2 ÷ 3 =		36	27 ÷ 8 =	
15	4 ÷ 4 =		37	49 ÷ 9 =	
16	5 ÷ 4 =		38	29 ÷ 6 =	
17	7 ÷ 4 =		39	47 ÷ 7 =	
18	4 ÷ 2 =		40	53 ÷ 8 =	
19	5 ÷ 2 =		41	67 ÷ 9 =	
20	10 ÷ 5 =		42	59 ÷ 6 =	
21	11 ÷ 5 =		43	63 ÷ 8 =	
22	13 ÷ 5 =		44	71 ÷ 9 =	

Lesson 6: Date:

Relate fractions as division to fraction of a set. 11/10/13

В	Improvement	# Correct	
	Write the Freetien Whele Number or Mixed Number		

	Write the Fraction, Whole	Number, or Mixed Number.			
1	1 ÷ 3 =	23	3	15 ÷ 5 =	
2	1 ÷ 4 =	24	ŀ	16 ÷ 5 =	
3	1 ÷ 10 =	25	5	6 ÷ 6 =	
4	5 ÷ 5 =	26	3	7 ÷ 6 =	
5	5 ÷ 6 =	27	1	11 ÷ 6 =	
6	3 ÷ 3 =	28	3	6 ÷ 3 =	
7	3 ÷ 7 =	29		8 ÷ 3 =	
8	3 ÷ 10 =	30)	13 ÷ 2 =	
9	3 ÷ 4 =	31		23 ÷ 5 =	
10	4 ÷ 4 =	32	2	15 ÷ 4 =	
11	5 ÷ 4 =	33	3	19 ÷ 4 =	
12	2 ÷ 2 =	34	Ŀ	19 ÷ 6 =	
13	3 ÷ 2 =	35	5	31 ÷ 7 =	
14	4 ÷ 5 =	36	3	37 ÷ 8 =	
15	10 ÷ 10 =	37	<u> </u>	50 ÷ 9 =	
16	11 ÷ 10 =	38	3	17 ÷ 6 =	
17	13 ÷ 10 =	39		48 ÷ 7 =	
18	10 ÷ 5 =	40		51 ÷ 8 =	
19	11 ÷ 5 =	41		68 ÷ 9 =	
20	13 ÷ 5 =	42	2	53 ÷ 6 =	
21	4 ÷ 2 =	43	3	61 ÷ 8 =	
22	5 ÷ 2 =	44	ŀ	70 ÷ 9 =	

Correct _____

	Solve.				
1	$\frac{1}{5} \times 2 =$	2	23	$\frac{5}{6}$ x 12 =	
2	$\frac{1}{5} \times 3 =$	2	24	$\frac{1}{3} \times 15 =$	
3	$\frac{1}{5} \times 4 =$	2	25	$\frac{2}{3} \times 15 =$	
4	$4 \times \frac{1}{5} =$	2	26	$15 \times \frac{2}{3} =$	
5	$\frac{1}{8} \times 3 =$	2	27	$\frac{1}{5} \times 15 =$	
6	$\frac{1}{8} \times 5 =$	2	28	$\frac{2}{5} \times 15 =$	
7	$\frac{1}{8} \times 7 =$	2	29	$\frac{4}{5} \times 15 =$	
8	$7 \times \frac{1}{8} =$	3	30	$\frac{3}{5} \times 15 =$	
9	$3 \times \frac{1}{1} = 1$	3	31	$\frac{3}{15 \times \frac{3}{5}} =$	
10	$\frac{10}{7 \times \frac{1}{10}} =$	3	32	$18 \times \frac{1}{6} = $	
11	$\frac{1}{10} \times 7 =$	3	33	$18 \times \frac{3}{6} =$	
12	4 ÷ 2 =	3	34	$\frac{5}{6} \times 18 =$	
13	$4 \times \frac{1}{2} =$	3	35	$24 \times \frac{1}{4} =$	
14	6 ÷ 3 =	3	36	$\frac{3}{4} \times 24 =$	
15	$\frac{1}{3} \times 6 =$	3	37	$32 \times \frac{1}{8} =$	
16	10 ÷ 5 =	3	38	$32 \times \frac{3}{8} =$	
17	$10 \times \frac{1}{5} =$	3	39	$\frac{5}{8} \times 32 =$	
18	$\frac{1}{3} \times 9 =$	4	10	$\frac{8}{32 \times \frac{7}{8}} =$	
19	$\frac{2}{3} \times 9 =$	4	11	$\frac{5}{9} \times 54 =$	
20	$\frac{1}{4} \times 8 =$	4	12	$63 \times \frac{7}{9} =$	
21	$\frac{3}{4} \times 8 =$	4	13	$56 \times \frac{3}{7} =$	
22	$\frac{1}{6} \times 12 =$	4	14	$\frac{6}{7} \times 49 =$	

В	Solve.	Improvement _		# Correct
1	$\frac{1}{7} \times 2 =$	23	$\frac{3}{4} \times 8 =$	
2	$\frac{1}{7} \times 3 =$	24	$\frac{1}{5} \times 15 =$	
3	$\frac{1}{7} \times 4 =$	25	$\frac{2}{5} \times 15 =$	
4	$4 \times \frac{1}{7} =$	26	$\frac{4}{5} \times 15 =$	
5	$\frac{1}{10} \times 3 =$	27	$\frac{3}{5} \times 15 =$	
6	$\frac{1}{10} \times 7 =$	28	$15 \times \frac{3}{5} =$	
7	$\frac{1}{10} \times 9 =$	29	$\frac{1}{3} \times 15 =$	
8	$9 \times \frac{1}{10} =$	30	$\frac{2}{3} \times 15 =$	
9	$3 \times \frac{1}{8} =$	31	$15 \times \frac{2}{3} =$	
10	$5 \times \frac{1}{8} =$	32	$24 \times \frac{1}{6} =$	
11	$\frac{1}{8} \times 5 =$	33	$24 \times \frac{3}{6} =$	
12	10 ÷ 5 =	34	$\frac{5}{6} \times 24 =$	
13	$10 \times \frac{1}{5} =$	35	$20 \times \frac{1}{4} =$	
14	9 ÷ 3 =	36	$\frac{3}{4} \times 20 =$	
15	$\frac{1}{3} \times 9 =$	37	$24 \times \frac{1}{8} =$	
16	10 ÷ 2 =	38	$24 \times \frac{3}{8} =$	
17	$10 \times \frac{1}{2} =$	39	$\frac{5}{8} \times 24 =$	
18	$\frac{1}{3} \times 6 =$	40	$\begin{array}{c c} 8 \\ 24 \times \frac{7}{8} = \\ \end{array}$	
19	$\frac{2}{3} \times 6 =$	41	$\frac{5}{9} \times 63 =$	
20	$\frac{1}{6} \times 12 =$	42	$54 \times \frac{7}{9} = 49 \times \frac{3}{7} = $	
21	$\frac{5}{6}$ x 12 =	43	$49 \times \frac{3}{7} =$	
22	$\frac{1}{4} \times 8 =$	44	$\frac{6}{7} \times 56 =$	



Correct _____

^	Multiply, but don't simplify.		" GOITGGE
1	$\frac{1}{2} \times \frac{1}{2} =$	23	$\frac{2}{5} \times \frac{5}{3} =$
2	$\frac{1}{2} \times \frac{1}{3} =$ $\frac{1}{2} \times \frac{1}{4} =$	24	$\frac{2}{5} \times \frac{5}{3} = \frac{3}{5} \times \frac{5}{2} = \frac{3}{5} \times \frac{5}{2} = \frac{1}{3} \times \frac{1}{3} = \frac{1}{3} \times \frac{2}{3} = \frac{2}{3} \times \frac{2}{3} = \frac{2}{3} \times \frac{3}{2} = \frac{2}{3} \times \frac{4}{3} = \frac{2}{3} \times \frac{5}{3} = \frac{2}{3} \times \frac{5}{3} = \frac{3}{2} \times \frac{3}{5} = \frac{3}{2} \times \frac{3}{2} = \frac{3}{2} \times \frac{3}{2} \times \frac{3}{2} = \frac{3}{2} \times \frac{3}$
3	$\frac{1}{2} \times \frac{1}{4} =$	25	$\frac{1}{3} \times \frac{1}{3} =$
4	$\frac{1}{2} \times \frac{1}{7} =$	26	$\frac{1}{3} \times \frac{2}{3} =$
5	$\frac{1}{7} \times \frac{1}{2} =$	27	$\frac{2}{3} \times \frac{2}{3} =$
6	$\frac{1}{3} \times \frac{1}{2} =$	28	$\frac{2}{3} \times \frac{3}{2} =$
7	$\frac{1}{3} \times \frac{1}{2} =$ $\frac{1}{3} \times \frac{1}{3} =$	29	$\frac{2}{3} \times \frac{4}{3} =$
8	$\frac{1}{3} \times \frac{1}{6} =$	30	$\frac{2}{3} \times \frac{5}{3} =$
9	$\frac{1}{3} \times \frac{1}{5} =$	31	$\frac{3}{2} \times \frac{3}{5} =$
10	$\frac{1}{5} \times \frac{1}{3} = \frac{1}{5} \times \frac{1}{3} = \frac{1}{5} \times \frac{2}{3} = \frac{1}{4} \times \frac{1}{3} = \frac{1}{4} \times \frac{1}{3} = \frac{1}{4} \times \frac{2}{3} = \frac{3}{4} \times \frac{2}{4} \times \frac{2}{3} = \frac{3}{4} \times \frac{2}{4} \times \frac{2}{3} = \frac{3}{4} \times \frac{2}{4} \times \frac{2}$	32	$\frac{3}{4} \times \frac{1}{5} = \frac{3}{4} \times \frac{4}{5} = \frac{3}{4} \times \frac{5}{5} = \frac{3}{4} \times \frac{6}{5} = \frac{1}{4} \times \frac{6}{5} = \frac{1}{7} \times \frac{1}{7} \frac{1}{7} \times \frac{1}{7} \times \frac{1}{7} = \frac{1}{7} \times \frac{1}$
11	$\frac{1}{5} \times \frac{2}{3} =$	33	$\frac{3}{4} \times \frac{4}{5} =$
12	$\frac{2}{5} \times \frac{2}{3} =$	34	$\frac{3}{4} \times \frac{5}{5} =$
13	$\frac{1}{4} \times \frac{1}{3} =$	35	$\frac{3}{4} \times \frac{6}{5} =$
14	$\frac{1}{4} \times \frac{2}{3} =$	36	$\frac{1}{4} \times \frac{6}{5} =$
15	$\frac{3}{4} \times \frac{2}{3} =$	37	$\frac{1}{7} \times \frac{1}{7} =$
16	$\frac{1}{6} \times \frac{1}{3} =$	38	$\frac{1}{8} \times \frac{3}{5} =$
17	$\frac{5}{6} \times \frac{1}{3} =$	39	$\frac{5}{6} \times \frac{1}{4} =$
18	$\frac{5}{6} \times \frac{1}{3} = \frac{5}{6} \times \frac{2}{3} = \frac{5}{4} \times \frac{2}{3} = \frac{1}{5} \times \frac{1}{5} = \frac{2}{5} \times \frac{2}{5} = \frac{2}{5} \times \frac{3}{5} = \frac{2}$	40	$\frac{5}{6} \times \frac{1}{4} = \frac{3}{4} \times \frac{3}{4} = \frac{2}{3} \times \frac{6}{6} = \frac{3}{4} \times \frac{6}{2} = \frac{7}{8} \times \frac{7}{9} = \frac{7}{12} \times \frac{9}{8} = \frac{7}{12} \times \frac{9}{8} = \frac{7}{8} \times \frac{7}{12} \times \frac{9}{8} = \frac{7}{12} \times \frac{9}{8} = \frac{7}{12} \times \frac{9}{8} = \frac{9}{8} = \frac{9}{12} \times \frac{9}{8} = \frac{9}{12} \times \frac{9}{8} = \frac{9}{8} = \frac{9}{12} \times \frac{9}{12} \times \frac{9}{8} = \frac{9}{12} \times \frac{9}{12} \times$
19	$\frac{5}{4} \times \frac{2}{3} =$	41	$\frac{2}{3} \times \frac{6}{6} =$
20	$\frac{1}{5} \times \frac{1}{5} =$	42	$\frac{3}{4} \times \frac{6}{2} =$
21	$\frac{2}{5} \times \frac{2}{5} =$	43	$\frac{7}{8} \times \frac{7}{9} =$
22	$\frac{2}{5} \times \frac{3}{5} =$	44	$\frac{7}{12} \times \frac{9}{8} =$



Lesson 18: Date:

Relate decimal and fraction multiplication. 11/10/13

В	Multiply, but don't simplify.	Improvement	# Correct
1	$\frac{1}{2} \times \frac{1}{3} =$	23	$\frac{3}{5} \times \frac{5}{4} =$
2	$\frac{1}{2} \times \frac{1}{4} =$	24	$\frac{3}{5} \times \frac{5}{4} = \frac{4}{5} \times \frac{5}{3} = \frac{1}{5} \times \frac{5}{3} = \frac{1}$
3	$\frac{1}{2} \times \frac{1}{5} =$	25	$ \frac{1}{4} \times \frac{1}{4} = \frac{1}{4} \times \frac{3}{4} = \frac{3}{4} \times \frac{3}{4} = \frac{3}{4} \times \frac{4}{3} = \frac{3}{4} \times \frac{5}{4} \times \frac{5}{4} = \frac{3}{4} \times \frac{5}{4} = \frac{3}{4} \times \frac{5}{4} = \frac{3}{4} \times \frac{5}{4} = \frac{3}{4} \times 5$
4	$\frac{1}{2} \times \frac{1}{9} =$	26	$\frac{1}{4} \times \frac{3}{4} =$
5	$\frac{1}{9} \times \frac{1}{2} =$	27	$\frac{3}{4} \times \frac{3}{4} =$
6	$\frac{1}{5} \times \frac{1}{2} =$	28	$\frac{3}{4} \times \frac{4}{3} =$
7	$\frac{1}{5} \times \frac{1}{3} =$	29	$\frac{3}{4} \times \frac{5}{4} =$
8	$\frac{1}{5} \times \frac{1}{7} =$	30	$\frac{3}{4} \times \frac{3}{4} =$
9	$\frac{1}{5} \times \frac{1}{3} =$	31	$\frac{4}{3} \times \frac{4}{6} =$
10	$\frac{1}{3} \times \frac{1}{5} =$	32	$\frac{2}{3} \times \frac{1}{5} =$
11	$\frac{1}{3} \times \frac{2}{5} =$	33	$\frac{2}{3} \times \frac{4}{5} =$
12	$\frac{2}{3} \times \frac{2}{5} =$	34	$\frac{2}{3} \times \frac{5}{5} =$
13	$\frac{1}{3} \times \frac{1}{4} =$	35	$\frac{2}{3} \times \frac{6}{5} =$
14	$\frac{1}{3} \times \frac{3}{4} =$	36	$\frac{1}{3} \times \frac{6}{5} =$
15	$\frac{1}{3} \times \frac{3}{4} = \frac{2}{3} \times \frac{3}{4} = \frac{2}$	37	$\frac{1}{9} \times \frac{1}{9} =$
16	$\frac{1}{3} \times \frac{1}{6} =$	38	$\frac{1}{5} \times \frac{3}{8} =$
17	$\frac{2}{3} \times \frac{1}{6} =$	39	$\frac{3}{4} \times \frac{1}{6} =$
18	$\frac{2}{3} \times \frac{5}{6} =$	40	$\frac{2}{3} \times \frac{2}{3} =$
19	$\frac{2}{3} \times \frac{5}{6} = \frac{3}{2} \times \frac{3}{4} = \frac{1}{5} \times \frac{1}{5} = \frac{3}{5} \times \frac{3}{5} = \frac{3}$	41	$\frac{2}{3} \times \frac{2}{3} = \frac{2}{3} \times \frac{8}{8} = \frac{2}{3} \times \frac{6}{3} = \frac{6}{7} \times \frac{8}{9} = \frac{6}$
20	$\frac{1}{5} \times \frac{1}{5} =$	42	$\frac{2}{3} \times \frac{6}{3} =$
21	$\frac{3}{5} \times \frac{3}{5} =$	43	$\frac{6}{7} \times \frac{8}{9} =$
22	$\frac{3}{5} \times \frac{4}{5} =$	44	$\frac{7}{12} \times \frac{8}{7} =$



Correct ____

	Multiply.			
1	3 x 2 =	23	0.6 x 2 =	
2	3 x 0.2 =	24	0.6 x 0.2 =	
3	3 x 0.02 =	25	0.6 x 0.02 =	
4	3 x 3 =	26	0.2 x 0.06 =	
5	3 x 0.3 =	27	5 x 7 =	
6	3 x 0.03 =	28	0.5 x 7 =	
7	2 x 4 =	29	0.5 x 0.7 =	
8	2 x 0.4 =	30	0.5 x 0.07 =	
9	2 x 0.04 =	31	0.7 x 0.05 =	
10	5 x 3 =	32	2 x 8 =	
11	5 x 0.3 =	33	9 x 0.2 =	
12	5 x 0.03 =	34	3 x 7 =	
13	7 x 2 =	35	8 x 0.03 =	
14	7 x 0.2 =	36	4 x 6 =	
15	7 x 0.02 =	37	0.6 x 7 =	
16	4 x 3 =	38	0.7 x 0.7 =	
17	4 x 0.3 =	39	0.8 x 0.06 =	
18	0.4 x 3 =	40	0.09 x 0.6 =	
19	0.4 x 0.3 =	41	6 x 0.8 =	
20	0.4 x 0.03 =	42	0.7 x 0.9 =	
21	0.3 x 0.04 =	43	0.08 x 0.8 =	
22	6 x 2 =	44	0.9 x 0.08 =	



Lesson 21:

Date:

Explain the size of the product, and relate fractions and decimal equivalence to multiplying a fraction by 1.

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11/10/13

В	Improvement	# Correct
Multiply.		

	Multiply.			
1	4 x 2 =	23	0.8 x 2 =	
2	4 x 0.2 =	24	0.8 x 0.2 =	
3	4 x 0.02 =	25	0.8 x 0.02 =	
4	2 x 3 =	26	0.2 x 0.08 =	
5	2 x 0.3 =	27	5 x 9 =	
6	2 x 0.03 =	28	0.5 x 9 =	
7	3 x 3 =	29	0.5 x 0.9 =	
8	3 x 0.3 =	30	0.5 x 0.09 =	
9	3 x 0.03 =	31	0.9 x 0.05 =	
10	4 x 3 =	32	2 x 6 =	
11	4 x 0.3 =	33	7 x 0.2 =	
12	4 x 0.03 =	34	3 x 8 =	
13	9 x 2 =	35	9 x 0.03 =	
14	9 x 0.2 =	36	4 x 8 =	
15	9 x 0.02 =	37	0.7 x 6 =	
16	5 x 3 =	38	0.6 x 0.6 =	
17	5 x 0.3 =	39	0.6 x 0.08 =	
18	0.5 x 3 =	40	0.06 x 0.9 =	
19	0.5 x 0.3 =	41	8 x 0.6 =	
20	0.5 x 0.03 =	42	0.9 x 0.7 =	
21	0.3 x 0.05 =	43	0.07 x 0.7 =	
22	8 x 2 =	44	0.8 x 0.09 =	



Lesson 21:

Date:

Explain the size of the product, and relate fractions and decimal equivalence to multiplying a fraction by 1.

11/10/13

Correct _____

	Divide.			
1	$\frac{1}{2} \div 2 =$	23	$4 \div \frac{1}{4} =$	
2	$\frac{1}{2} \div 3 =$	24	$\frac{1}{3} \div 3 =$	
3	$\frac{1}{2} \div 4 =$	25	$\frac{2}{3} \div 3 =$	
4	$\frac{1}{2} \div 7 =$	26	$\frac{1}{4} \div 2 =$	
5	$7 \div \frac{1}{2} =$	27	$\frac{3}{4} \div 2 =$	
6	$6 \div \frac{1}{2} =$	28	$\frac{1}{5} \div 2 =$	
7	$5 \div \frac{1}{2} =$	29	$\frac{3}{5} \div 2 =$	
8	$3 \div \frac{1}{2} =$	30	$\frac{1}{6} \div 2 =$	
9	$2 \div \frac{1}{5} =$	31	$\frac{5}{6} \div 2 =$	
10	$3 \div \frac{1}{5} =$	32	$\frac{5}{6} \div 3 =$	
11	$4 \div \frac{1}{5} =$	33	$\frac{1}{6} \div 3 =$	
12	$7 \div \frac{1}{5} =$	34	$3 \div \frac{1}{6} =$	
13	$\frac{1}{5} \div 7 =$	35	$6 \div \frac{1}{6} =$	
14	$\frac{1}{3} \div 2 =$	36	$7 \div \frac{1}{7} =$	
15	$2 \div \frac{1}{3} =$	37	$8 \div \frac{1}{9} =$	
16	$\frac{1}{4} \div 2 =$	38	$9 \div \frac{1}{9} =$	
17	$2 \div \frac{1}{4} =$	39	$\frac{1}{2} \div 7 =$	
18	$\frac{1}{5} \div 2 =$	40	$9 \div \frac{1}{8} =$	
19	$2 \div \frac{1}{5} =$	41	$\frac{1}{9} \div 7 =$	
20	$3 \div \frac{1}{4} =$	42	$7 \div \frac{1}{6} =$	
21	$\frac{1}{4} \div 3 =$	43	$9 \div \frac{1}{7} =$	
22	$\frac{1}{4} \div 4 =$	44	$\frac{1}{8} \div 9 =$	

Lesson 30: Date:

Divide decimal dividends by non-unit decimal divisors. 11/10/13

В	Divide.	Improvement	
1	$\frac{1}{2} \div 2 =$	23	$3 \div \frac{1}{3} =$
2	$\frac{1}{5} \div 3 =$	24	$\frac{1}{4} \div 4 =$
3	$\frac{1}{5} \div 4 =$	25	$\frac{3}{4} \div 4 =$
4	$\frac{1}{5} \div 7 =$	26	$\frac{1}{3} \div 3 =$
5	$7 \div \frac{1}{5} =$	27	$\frac{2}{3} \div 3 =$
6	$6 \div \frac{1}{5} =$	28	$\frac{1}{6} \div 2 =$
7	$5 \div \frac{1}{5} =$	29	$\frac{5}{6} \div 2 =$
8	$3 \div \frac{1}{5} =$	30	$\frac{1}{5} \div 5 =$
9	$2 \div \frac{1}{2} =$	31	$\frac{3}{5} \div 5 =$
10	$3 \div \frac{1}{2} =$	32	$\frac{3}{5} \div 4 =$
11	$4 \div \frac{1}{2} =$	33	$\frac{1}{5} \div 6 =$
12	$7 \div \frac{1}{2} =$	34	$6 \div \frac{1}{5} =$
13	$\frac{1}{2} \div 7 =$	35	$6 \div \frac{1}{4} =$
14	$\frac{1}{4} \div 2 =$	36	$7 \div \frac{1}{6} =$
15	$2 \div \frac{1}{4} =$	37	$8 \div \frac{1}{7} =$
16	$\frac{1}{3} \div 2 =$	38	$9 \div \frac{1}{8} =$
17	$2 \div \frac{1}{3} =$	39	$\frac{1}{2} \div 8 =$
18	$\frac{1}{2} \div 2 =$	40	$9 \div \frac{1}{9} =$
19	$2 \div \frac{1}{2} =$ $4 \div \frac{1}{3} =$	41	$\frac{1}{2} \div 8 =$
20	$4 \div \frac{1}{3} =$	42	$7 \div \frac{1}{7} =$
21	$\frac{1}{3} \div 4 =$	43	$9 \div \frac{1}{6} =$
22	$\frac{1}{3} \div 3 =$	44	$\frac{1}{8} \div 6 =$



Lesson 30: Date:

Divide decimal dividends by non-unit decimal divisors. 11/10/13

Correct _____

	Divide.			
1	1 ÷ 1 =	23	5 ÷ 0.1 =	
2	1 ÷ 0.1 =	24	0.5 ÷ 0.1 =	
3	2 ÷ 0.1 =	25	0.05 ÷ 0.1 =	
4	7 ÷ 0.1 =	26	0.08 ÷ 0.1 =	
5	1 ÷ 0.1 =	27	4 ÷ 0.01 =	
6	10 ÷ 0.1 =	28	40 ÷ 0.01 =	
7	20 ÷ 0.1 =	29	47 ÷ 0.01 =	
8	60 ÷ 0.1 =	30	59 ÷ 0.01 =	
9	1 ÷ 1 =	31	3 ÷ 0.1 =	
10	1 ÷ 0.1 =	32	30 ÷ 0.1 =	
11	10 ÷ 0.1 =	33	32 ÷ 0.1 =	
12	100 ÷ 0.1 =	34	32.5 ÷ 0.1 =	
13	200 ÷ 0.1 =	35	25 ÷ 5 =	
14	800 ÷ 0.1 =	36	2.5 ÷ 0.5 =	
15	1 ÷ 0.1 =	37	2.5 ÷ 0.05 =	
16	1 ÷ 0.01 =	38	3.6 ÷ 0.04 =	
17	2 ÷ 0.01 =	39	32 ÷ 0.08 =	
18	9 ÷ 0.01 =	40	56 ÷ 0.7 =	
19	5 ÷ 0.01 =	41	77 ÷ 1.1 =	
20	50 ÷ 0.01 =	42	4.8 ÷ 0.12 =	
21	60 ÷ 0.01 =	43	4.84 ÷ 0.4 =	
22	20 ÷ 0.01 =	44	9.63 ÷ 0.03 =	

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В	Improvement	# Correct
Divide.		

	Divide.			
1	10 ÷ 1 =	23	4 ÷ 0.1 =	
2	1 ÷ 0.1 =	24	0.4 ÷ 0.1 =	
3	2 ÷ 0.1 =	25	0.04 ÷ 0.1 =	
4	8 ÷ 0.1 =	26	0.07 ÷ 0.1 =	
5	1 ÷ 0.1 =	27	5 ÷ 0.01 =	
6	10 ÷ 0.1 =	28	50 ÷ 0.01 =	
7	20 ÷ 0.1 =	29	53 ÷ 0.01 =	
8	70 ÷ 0.1 =	30	68 ÷ 0.01 =	
9	1 ÷ 1 =	31	2 ÷ 0.1 =	
10	1 ÷ 0.1 =	32	20 ÷ 0.1 =	
11	10 ÷ 0.1 =	33	23 ÷ 0.1 =	
12	100 ÷ 0.1 =	34	23.6 ÷ 0.1 =	
13	200 ÷ 0.1 =	35	15 ÷ 5 =	
14	900 ÷ 0.1 =	36	1.5 ÷ 0.5 =	
15	1 ÷ 0.1 =	37	1.5 ÷ 0.05 =	
16	1 ÷ 0.01 =	38	3.2 ÷ 0.04 =	
17	2 ÷ 0.01 =	39	28 ÷ 0.07 =	
18	7 ÷ 0.01 =	40	42 ÷ 0.6 =	
19	4 ÷ 0.01 =	41	88 ÷ 1.1 =	
20	40 ÷ 0.01 =	42	3.6 ÷ 0.12 =	
21	50 ÷ 0.01 =	43	3.63 ÷ 0.3 =	
22	80 ÷ 0.01 =	44	8.44 ÷ 0.04 =	

Date:

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Correct _____

	Solve.				
1	$\frac{1}{5} \times 2 =$	2	23	$\frac{5}{6}$ x 12 =	
2	$\frac{1}{5} \times 3 =$	2	24	$\frac{1}{3} \times 15 =$	
3	$\frac{1}{5} \times 4 =$	2	25	$\frac{2}{3} \times 15 =$	
4	$4 \times \frac{1}{5} =$	2	26	$15 \times \frac{2}{3} =$	
5	$\frac{1}{8} \times 3 =$	2	27	$\frac{1}{5} \times 15 =$	
6	$\frac{1}{8} \times 5 =$	2	28	$\frac{2}{5} \times 15 =$	
7	$\frac{1}{8} \times 7 =$	2	29	$\frac{4}{5}$ x 15 =	
8	$7 \times \frac{1}{8} =$	3	30	$\frac{3}{5} \times 15 =$	
9	$3 \times \frac{1}{10} =$	3	31	$15 \times \frac{3}{5} =$	
10	$7 \times \frac{1}{10} =$	3	32	$18 \times \frac{1}{6} =$	
11	$\frac{1}{10} \times 7 =$	3	33	$18 \times \frac{5}{6} =$	
12	4 ÷ 2 =	3	34	$\frac{5}{6} \times 18 =$	
13	$4 \times \frac{1}{2} =$	3	35	$24 \times \frac{1}{4} =$	
14	6 ÷ 3 =	3	36	$\frac{3}{4} \times 24 =$	
15	$\frac{1}{3} \times 6 =$	3	37	$32 \times \frac{1}{8} =$	
16	10 ÷ 5 =	3	38	$32 \times \frac{3}{8} =$	
17	$10 \times \frac{1}{5} =$	3	39	$\frac{5}{8} \times 32 =$	
18	$\frac{1}{3} \times 9 =$	4	40	$32 \times \frac{7}{8} =$	
19	$\frac{2}{3} \times 9 =$	4	41	$\frac{5}{9} \times 54 =$	
20	$\frac{1}{4} \times 8 =$	4	42	$63 \times \frac{7}{9} = $ $56 \times \frac{3}{7} = $	
21	$\frac{3}{4} \times 8 =$	4	43	$56 \times \frac{3}{7} =$	
22	$\frac{1}{6} \times 12 =$	4	44	$\frac{6}{7} \times 49 =$	

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В	Solve.	Improvement _		# Correct
1	$\frac{1}{7} \times 2 =$	23	$\frac{3}{4} \times 8 =$	
2	$\frac{1}{7} \times 3 =$	24	$\frac{1}{5}$ x 15 =	
3	$\frac{1}{7} \times 4 =$	25	$\frac{2}{5} \times 15 =$	
4	$4 \times \frac{1}{7} =$	26	$\frac{4}{5}$ x 15 =	
5	$\frac{1}{10} \times 3 =$	27	$\frac{3}{5} \times 15 =$	
6	$\frac{1}{10} \times 7 =$	28	$15 \times \frac{3}{5} =$	
7	$\frac{1}{10} \times 9 =$	29	$\frac{1}{3} \times 15 =$	
8	$9 \times \frac{1}{10} =$	30	$\frac{2}{3} \times 15 =$	
9	$3 \times \frac{1}{8} =$	31	$15 \times \frac{2}{3} =$	
10	$5 \times \frac{1}{8} =$	32	$24 \times \frac{1}{6} =$	
11	$\frac{1}{8} \times 5 =$	33	$24 \times \frac{5}{6} =$	
12	10 ÷ 5 =	34	$\frac{5}{6} \times 24 =$	
13	$10 \times \frac{1}{5} =$	35	$20 \times \frac{1}{4} =$	
14	9 ÷ 3 =	36	$\frac{3}{4} \times 20 =$	
15	$\frac{1}{3} \times 9 =$	37	$24 \times \frac{1}{8} =$	
16	10 ÷ 2 =	38	$24 \times \frac{3}{8} =$	
17	$10 \times \frac{1}{2} =$	39	$\frac{5}{8} \times 24 =$	
18	$\frac{1}{3} \times 6 =$	40	$24 \times \frac{7}{8} =$	
19	$\frac{2}{3} \times 6 =$	41	$\frac{5}{9} \times 63 =$	
20	$\frac{1}{6} \times 12 =$	42	$54 \times \frac{7}{9} =$	
21	$\frac{5}{6}$ x 12 =	43	$49 \times \frac{3}{7} =$	
22	$\frac{1}{4} \times 8 =$	44	$\frac{6}{7} \times 56 =$	

Multiply but don't simplify

Correct _____

	Multiply, but don't simplify.				
1	$\frac{1}{2} \times \frac{1}{2} =$	23	3	$\frac{2}{5} \times \frac{5}{3} =$ $\frac{3}{5} \times \frac{5}{2} =$	
2	$\frac{1}{2} \times \frac{1}{3} =$	24	4	$\frac{3}{5} \times \frac{5}{2} =$	
3	$\frac{1}{2} \times \frac{1}{4} =$	25	5	$\frac{1}{3} \times \frac{1}{3} =$	
4	$\frac{1}{2} \times \frac{1}{7} =$	26	3	$\frac{1}{3} \times \frac{2}{3} =$	
5	$\frac{1}{7} \times \frac{1}{2} =$	27	7	$\frac{2}{3} \times \frac{2}{3} =$	
6	$\frac{1}{3} \times \frac{1}{2} =$	28	3	$\frac{2}{3} \times \frac{3}{2} =$	
7	$\frac{1}{3} \times \frac{1}{3} =$	29	9	$\frac{2}{3} \times \frac{4}{3} =$	
8	$\frac{1}{3} \times \frac{1}{6} =$	30)	$\frac{2}{3} \times \frac{5}{3} =$	
9	$\frac{1}{2} \times \frac{1}{5} =$	31	1	$\frac{2}{3} \times \frac{2}{3} = \frac{2}{3} \times \frac{3}{2} = \frac{2}{3} \times \frac{3}{2} = \frac{2}{3} \times \frac{4}{3} = \frac{2}{3} \times \frac{5}{3} = \frac{3}{4} \times \frac{1}{5} = \frac{3}{4} \times \frac{4}{5} = \frac{3}{4} \times \frac{5}{5} = \frac{3}{4} \times \frac{6}{5} = \frac{3}{4} \times \frac{6}{4} \times \frac{6}{4} = \frac{3}{4} \times \frac{6}{4} = \frac{6}{4} \times \frac{6}{4} \times \frac{6}{4} \times \frac{6}{4} \times \frac{6}{4} \times \frac{6}$	
10	$\frac{1}{5} \times \frac{1}{3} = \frac{1}{5} \times \frac{2}{3} = \frac{2}{5} \times \frac{2}$	32	2	$\frac{3}{4} \times \frac{1}{5} =$	
11	$\frac{1}{5} \times \frac{2}{3} =$	33	3	$\frac{3}{4} \times \frac{4}{5} =$	
12	$\frac{1}{5} \times \frac{2}{3} =$ $\frac{2}{5} \times \frac{2}{3} =$	34	4	$\frac{3}{4} \times \frac{5}{5} =$	
13	$\frac{1}{4} \times \frac{1}{3} =$	35	5	$\frac{3}{4} \times \frac{6}{5} =$	
14	$\frac{1}{4} \times \frac{2}{3} =$	36	6	$\frac{1}{4} \times \frac{6}{5} =$	
15	$\frac{3}{4} \times \frac{2}{3} =$	37	7	$\frac{1}{7} \times \frac{1}{7} =$	
16	$\frac{1}{6} \times \frac{1}{3} =$	38	3	$\frac{1}{8} \times \frac{3}{5} =$	
17	$\frac{5}{6} \times \frac{1}{3} =$	39	9	$\frac{5}{6} \times \frac{1}{4} =$	
18	$\frac{5}{6} \times \frac{2}{3} =$	40)	$\frac{3}{4} \times \frac{3}{4} =$	
19	$\frac{5}{4} \times \frac{2}{3} =$	41	1	$\frac{2}{3} \times \frac{6}{6} =$	
20	$\frac{1}{5} \times \frac{1}{5} =$	42	2	$\frac{3}{4} \times \frac{6}{2} =$	
21	$\frac{2}{5} \times \frac{2}{5} =$	43	3	$\frac{7}{8} \times \frac{7}{9} =$	
22	$\frac{1}{5} \times \frac{1}{5} = \frac{2}{5} \times \frac{2}{5} = \frac{2}{5} \times \frac{3}{5} = \frac{2}$	44	4	$\frac{2}{3} \times \frac{6}{6} = \frac{3}{4} \times \frac{6}{2} = \frac{7}{8} \times \frac{7}{9} = \frac{7}{12} \times \frac{9}{8} = \frac{7}{12} \times \frac{9}{12} \times \frac{9}{12} = \frac{7}{12} \times \frac{9}{12} = \frac{9}{12} = \frac{7}{12} \times \frac{9}{12} = \frac{9}{12} \times 9$	

Date:

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Improvement _____

Correct _____

	Multiply, but don't simplify.			
1	$\frac{1}{2} \times \frac{1}{3} =$	23	$\frac{3}{5} \times \frac{5}{4} =$	
2	$\frac{1}{2} \times \frac{1}{4} =$	24	$\frac{4}{5} \times \frac{5}{3} =$	
3	$\frac{1}{2} \times \frac{1}{5} =$	25	$\frac{1}{4} \times \frac{1}{4} =$	
4	$\frac{1}{2} \times \frac{1}{9} =$	26	$\frac{1}{4} \times \frac{1}{4} = \frac{1}{4} \times \frac{3}{4} = \frac{3}{4} \times \frac{3}$	
5	$\frac{1}{9} \times \frac{1}{2} =$	27	$\frac{1}{4} \times \frac{3}{4} = \frac{3}{4} \times \frac{3}{4} \times \frac{3}{4} \times \frac{3}{4} = \frac{3}{4} \times \frac{3}$	
6	$\frac{1}{5} \times \frac{1}{2} =$	28	$\frac{3}{4} \times \frac{4}{3} =$	
7	$\frac{1}{5} \times \frac{1}{3} =$	29	$\frac{3}{4} \times \frac{4}{3} =$ $\frac{3}{4} \times \frac{5}{4} =$	
8	$\frac{1}{5} \times \frac{1}{7} =$	30	$\frac{3}{4} \times \frac{6}{4} =$	
9	$\frac{1}{5} \times \frac{1}{3} =$	31	$\frac{4}{3} \times \frac{4}{6} =$	
10	$\frac{1}{3} \times \frac{1}{5} =$ $\frac{1}{3} \times \frac{2}{5} =$ $\frac{2}{3} \times \frac{2}{5} =$	32	$\frac{2}{3} \times \frac{1}{5} =$	
11	$\frac{1}{3} \times \frac{2}{5} =$	33	$\frac{2}{3} \times \frac{4}{5} =$ $\frac{2}{3} \times \frac{5}{5} =$ $\frac{2}{3} \times \frac{6}{5} =$	
12	$\frac{2}{3} \times \frac{2}{5} =$	34	$\frac{2}{3} \times \frac{5}{5} =$	
13	$\frac{1}{3} \times \frac{1}{4} =$	35	$\frac{2}{3} \times \frac{6}{5} =$	
14	$\frac{1}{3} \times \frac{3}{4} =$	36	$\frac{1}{3} \times \frac{6}{5} =$	
15	$\frac{2}{3} \times \frac{3}{4} =$	37	$\frac{1}{9} \times \frac{1}{9} =$	
16	$\frac{3}{3} \times \frac{1}{6} =$	38	$\frac{1}{5} \times \frac{3}{8} =$	
17	$\frac{2}{2} \times \frac{1}{2} =$	39	$\frac{3}{1} \times \frac{1}{1} =$	
18	$\frac{2}{3} \times \frac{5}{6} =$	40	$\frac{2}{3} \times \frac{2}{3} =$	
19	$\frac{3}{2} \times \frac{3}{4} =$	41	$\frac{3}{4} \times \frac{8}{8} =$	
20	$ \frac{2}{3} \times \frac{5}{6} = \frac{3}{2} \times \frac{3}{4} = \frac{1}{5} \times \frac{1}{5} = \frac{3}{5} \times \frac{3}{5} = \frac{3}{5} \times \frac{4}{5} = 3$	42	$\frac{4}{3} \times \frac{6}{3} = \frac{3}{4} \times \frac{8}{8} = \frac{2}{3} \times \frac{6}{3} = \frac{6}{7} \times \frac{8}{9} = \frac{7}{12} \times \frac{8}{7} = \frac{7}{12} \times \frac{8}{12} \times \frac{9}{12} = \frac{7}{12} \times \frac{9}{12} \times \frac{9}{12} = \frac{9}{12} \times \frac{9}{12} = \frac{9}{12} \times \frac{9}{12} \times \frac{9}{12} = \frac{9}{12} \times \frac{9}{12} \times \frac{9}{12} = $	
21	$\frac{3}{5} \times \frac{3}{5} =$	43	$\frac{6}{7} \times \frac{8}{9} =$	
22	$\frac{3}{5} \times \frac{4}{5} =$	44	$\frac{7}{12} \times \frac{8}{7} =$	



Lesson 7:

Date:

Solve word problems involving the volume of rectangular prisms with whole number edge lengths.

1/10/14

Correct ____

^	Multiply.		,,	Correct
1	3 x 2 =	23	0.6 x 2 =	
2	3 x 0.2 =	24	0.6 x 0.2 =	
3	3 x 0.02 =	25	0.6 x 0.02 =	
4	3 x 3 =	26	0.2 x 0.06 =	
5	3 x 0.3 =	27	5 x 7 =	
6	3 x 0.03 =	28	0.5 x 7 =	
7	2 x 4 =	29	0.5 x 0.7 =	
8	2 x 0.4 =	30	0.5 x 0.07 =	
9	2 x 0.04 =	31	0.7 x 0.05 =	
10	5 x 3 =	32	2 x 8 =	
11	5 x 0.3 =	33	9 x 0.2 =	
12	5 x 0.03 =	34	3 x 7 =	
13	7 x 2 =	35	8 x 0.03 =	
14	7 x 0.2 =	36	4 x 6 =	
15	7 x 0.02 =	37	0.6 x 7 =	
16	4 x 3 =	38	0.7 x 0.7 =	
17	4 x 0.3 =	39	0.8 x 0.06 =	
18	0.4 x 3 =	40	0.09 x 0.6 =	
19	0.4 x 0.3 =	41	6 x 0.8 =	
20	0.4 x 0.03 =	42	0.7 x 0.9 =	
21	0.3 x 0.04 =	43	0.08 x 0.8 =	
22	6 x 2 =	44	0.9 x 0.08 =	



Lesson 11:

Find the area of rectangles with mixed-by-mixed and fraction-byfraction side lengths by tiling, record by drawing, and relate to

В	Multiply.	Improvemer	nt #	Correct
1	4 x 2 =	23	0.8 x 2 =	
2	4 x 0.2 =	24	0.8 x 0.2 =	
3	4 x 0.02 =	25	0.8 x 0.02 =	
4	2 x 3 =	26	0.2 x 0.08 =	
5	2 x 0.3 =	27	5 x 9 =	
6	2 x 0.03 =	28	0.5 x 9 =	
7	3 x 3 =	29	0.5 x 0.9 =	
8	3 x 0.3 =	30	0.5 x 0.09 =	
9	3 x 0.03 =	31	0.9 x 0.05 =	
10	4 x 3 =	32	2 x 6 =	
11	4 x 0.3 =	33	7 x 0.2 =	
12	4 x 0.03 =	34	3 x 8 =	
13	9 x 2 =	35	9 x 0.03 =	
14	9 x 0.2 =	36	4 x 8 =	
15	9 x 0.02 =	37	0.7 x 6 =	
16	5 x 3 =	38	0.6 x 0.6 =	
17	5 x 0.3 =	39	0.6 x 0.08 =	
18	0.5 x 3 =	40	0.06 x 0.9 =	
19	0.5 x 0.3 =	41	8 x 0.6 =	
20	0.5 x 0.03 =	42	0.9 x 0.7 =	
21	0.3 x 0.05 =	43	0.07 x 0.7 =	
22	8 x 2 =	44	0.8 x 0.09 =	



Lesson 11:

Date:

Find the area of rectangles with mixed-by-mixed and fraction-byfraction side lengths by tiling, record by drawing, and relate to fraction multiplication.

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Α	Divide.		# Correct
1	$\frac{1}{2} \div 2 =$	23	$4 \div \frac{1}{4} =$
2	$\frac{1}{2} \div 3 =$	24	$\frac{1}{3} \div 3 =$
3	$\frac{1}{2} \div 4 =$	25	$\frac{2}{3} \div 3 =$
4	$\frac{1}{2} \div 7 =$	26	$\frac{1}{4} \div 2 =$
5	$7 \div \frac{1}{2} =$	27	$\frac{3}{4} \div 2 =$
6	$6 \div \frac{1}{2} =$	28	$\frac{1}{5} \div 2 =$
7	$5 \div \frac{1}{2} =$	29	$\frac{3}{5} \div 2 =$
8	$3 \div \frac{1}{2} =$	30	$\frac{1}{6} \div 2 =$
9	$2 \div \frac{1}{5} =$	31	$\frac{5}{6} \div 2 =$
10	$3 \div \frac{1}{5} =$	32	$\frac{5}{6} \div 3 =$
11	$4 \div \frac{1}{5} =$	33	$\frac{1}{4} \div 3 =$
12	$7 \div \frac{1}{5} =$	34	$3 \div \frac{1}{6} =$
13	$\frac{1}{5} \div 7 =$	35	$6 \div \frac{1}{6} =$
14	$\frac{1}{3} \div 2 =$	36	$7 \div \frac{1}{7} =$
15	$2 \div \frac{1}{3} =$	37	$8 \div \frac{1}{8} =$
16	$\frac{1}{4} \div 2 =$	38	$9 \div \frac{1}{9} =$
17	$2 \div \frac{1}{4} =$	39	$\frac{1}{9} \div 7 =$
18	$\frac{1}{5} \div 2 =$	40	$9 \div \frac{1}{8} =$
19	$2 \div \frac{1}{5} =$	41	$\frac{1}{9} \div 7 =$
20	$3 \div \frac{1}{4} =$	42	$7 \div \frac{1}{6} =$
21	$\frac{1}{4} \div 3 =$	43	$9 \div \frac{1}{7} =$
22	$\frac{1}{4} \div 4 =$	44	$\frac{1}{8} \div 9 =$



Lesson 18:

Draw rectangles and rhombuses to clarify their attributes, and define rectangles and rhombuses based on those attributes.

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Date:

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В	Divide.	Improvement	
1	$\frac{1}{2} \div 2 =$	23	$3 \div \frac{1}{3} =$
2	$\frac{1}{5} \div 3 =$	24	$\frac{1}{4} \div 4 =$
3	$\frac{1}{5} \div 4 =$	25	$\frac{3}{4} \div 4 =$
4	$\frac{1}{5} \div 7 =$	26	$\frac{1}{3} \div 3 =$
5	$7 \div \frac{1}{5} =$	27	$\frac{2}{3} \div 3 =$
6	$6 \div \frac{1}{5} =$	28	$\frac{1}{6} \div 2 =$
7	$5 \div \frac{1}{5} =$	29	$\frac{5}{6} \div 2 =$
8	$3 \div \frac{1}{5} =$	30	$\frac{1}{5} \div 5 =$
9	$2 \div \frac{1}{2} =$	31	$\frac{3}{5} \div 5 =$
10	$3 \div \frac{1}{2} =$	32	$\frac{3}{5} \div 4 =$
11	$4 \div \frac{1}{2} =$	33	$\frac{1}{5} \div 6 =$
12	$7 \div \frac{1}{2} =$	34	$6 \div \frac{1}{5} =$
13	$\frac{1}{2} \div 7 =$	35	$6 \div \frac{1}{4} =$
14	$\frac{1}{4} \div 2 =$	36	$7 \div \frac{1}{6} =$
15	$2 \div \frac{1}{4} =$	37	$8 \div \frac{1}{7} =$
16	$\frac{1}{3} \div 2 =$	38	$9 \div \frac{1}{8} =$
17	$2 \div \frac{1}{3} =$	39	$\frac{1}{2} \div 8 =$
18	$\frac{1}{2} \div 2 =$	40	$9 \div \frac{1}{9} =$
19	$2 \div \frac{1}{2} =$	41	$\frac{1}{2} \div 8 =$
20	$4 \div \frac{1}{3} =$	42	$7 \div \frac{1}{7} =$
21	$\frac{1}{3} \div 4 =$	43	$9 \div \frac{1}{6} =$
22	$\frac{1}{3} \div 3 =$	44	$\frac{1}{8} \div 6 =$



Date:

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Correct _____

A	Multiply.		11 001	Tect
1	2 x 10 =	23	33 x 20 =	
2	12 x 10 =	24	33 x 200 =	
3	12 x 100 =	25	24 x 10 =	
4	4 x 10 =	26	24 x 20 =	
5	34 x 10 =	27	24 x 100 =	
6	34 x 100 =	28	24 x 200 =	
7	7 x 10 =	29	23 x 30 =	
8	27 x 10 =	30	23 x 300 =	
9	27 x 100 =	31	71 x 2 =	
10	3 x 10 =	32	71 x 20 =	
11	3 x 2 =	33	14 x 2 =	
12	3 x 20 =	34	14 x 3 =	
13	13 x 10 =	35	14 x 30 =	
14	13 x 2 =	36	14 x 300 =	
15	13 x 20 =	37	82 x 20 =	
16	13 x 100 =	38	15 x 300 =	
17	13 x 200 =	39	71 x 600 =	
18	2 x 4 =	40	18 x 40 =	
19	22 x 4 =	41	75 x 30 =	
20	22 x 40 =	42	84 x 300 =	
21	22 x 400 =	43	87 x 60 =	
22	33 x 2 =	44	79 x 800 =	



Lesson 19:

Date:

Draw kites and squares to clarify their attributes, and define kites and squares based on those attributes.

1/10/14

В	Multiply.	Improvemen	t #	Correct
1	3 x 10 =	23	44 x 20 =	
2	13 x 10 =	24	44 x 200 =	
3	13 x 100 =	25	42 x 10 =	
4	5 x 10 =	26	42 x 20 =	
5	35 x 10 =	27	42 x 100 =	
6	35 x 100 =	28	42 x 200 =	
7	8 x 10 =	29	32 x 30 =	
8	28 x 10 =	30	32 x 300 =	
9	28 x 100 =	31	81 x 2 =	
10	4 x 10 =	32	81 x 20 =	
11	4 x 2 =	33	13 x 3 =	
12	4 x 20 =	34	13 x 4 =	
13	14 x 10 =	35	13 x 40 =	
14	14 x 2 =	36	13 x 400 =	
15	14 x 20 =	37	72 x 30 =	
16	14 x 100 =	38	15 x 300 =	
17	14 x 200 =	39	81 x 600 =	
18	2 x 3 =	40	16 x 40 =	
19	22 x 3 =	41	65 x 30 =	
20	22 x 30 =	42	48 x 300 =	
21	22 x 300 =	43	89 x 60 =	
22	44 x 2 =	44	76 x 800 =	



Lesson 19:

Date:

Draw kites and squares to clarify their attributes, and define kites and squares based on those attributes.

1/10/14

Α

Correct _____

^	Divide.		# Correct
1	30 ÷ 10 =	23	480 ÷ 4 =
2	430 ÷ 10 =	24	480 ÷ 40 =
3	4,300 ÷ 10 =	25	6,300 ÷ 3 =
4	4,300 ÷ 100 =	26	6,300 ÷ 30 =
5	43,000 ÷ 100 =	27	6,300 ÷ 300 =
6	50 ÷ 10 =	28	8,400 ÷ 2 =
7	850 ÷ 10 =	29	8,400 ÷ 20 =
8	8,500 ÷ 10 =	30	8,400 ÷ 200 =
9	8,500 ÷ 100 =	31	96,000 ÷ 3 =
10	85,000 ÷ 100 =	32	96,000 ÷ 300 =
11	600 ÷ 10 =	33	96,000 ÷ 30 =
12	60 ÷ 3 =	34	900 ÷ 30 =
13	600 ÷ 30 =	35	1,200 ÷ 30 =
14	4,000 ÷ 100 =	36	1,290 ÷ 30 =
15	40 ÷ 2 =	37	1,800 ÷ 300 =
16	4,000 ÷ 200 =	38	8,000 ÷ 200 =
17	240 ÷ 10 =	39	12,000 ÷ 200 =
18	24 ÷ 2 =	40	12,800 ÷ 200 =
19	240 ÷ 20 =	41	2,240 ÷ 70 =
20	3,600 ÷ 100 =	42	18,400 ÷ 800 =
21	36 ÷ 3 =	43	21,600 ÷ 90 =
22	3,600 ÷ 300 =	44	25,200 ÷ 600 =

В	Improvement	# Correct
Divide.		

	Divide.		
1	20 ÷ 10 =	23	840 ÷ 4 =
2	420 ÷ 10 =	24	840 ÷ 40 =
3	4,200 ÷ 10 =	25	3,600 ÷ 3 =
4	4,200 ÷ 100 =	26	3,600 ÷ 30 =
5	42,000 ÷ 100 =	27	3,600 ÷ 300 =
6	40 ÷ 10 =	28	4,800 ÷ 2 =
7	840 ÷ 10 =	29	4,800 ÷ 20 =
8	8,400 ÷ 10 =	30	4,800 ÷ 200 =
9	8,400 ÷ 100 =	31	69,000 ÷ 3 =
10	84,000 ÷ 100 =	32	69,000 ÷ 300 =
11	900 ÷ 10 =	33	69,000 ÷ 30 =
12	90 ÷ 3 =	34	800 ÷ 40 =
13	900 ÷ 30 =	35	1,200 ÷ 40 =
14	6,000 ÷ 100 =	36	1,280 ÷ 40 =
15	60 ÷ 2 =	37	1,600 ÷ 400 =
16	6,000 ÷ 200 =	38	8,000 ÷ 200 =
17	240 ÷ 10 =	39	14,000 ÷ 200 =
18	24 ÷ 2 =	40	14,600 ÷ 200 =
19	240 ÷ 20 =	41	2,560 ÷ 80 =
20	6,300 ÷ 100 =	42	16,100 ÷ 700 =
21	63 ÷ 3 =	43	14,400 ÷ 60 =
22	6,300 ÷ 300 =	44	37,800 ÷ 900 =

Date:

Multiply Decimals by 10, 100, and 1,000

1.	62.3 × 10 =
2.	62.3 × 100 =
3.	62.3 × 1,000 =
4.	73.6 × 10 =
5.	73.6 × 100 =
6.	73.6 × 1,000 =
7.	0.6 × 10 =
8.	0.06 × 10 =
9.	0.006 × 10 =
10.	0.3 × 10 =
11.	0.3 × 100 =
12.	0.3 × 1,000 =
13.	0.02 × 10 =
14.	0.02 × 100 =
15.	0.02 × 1,000 =
16.	0.008 × 10 =
17.	0.008 × 100 =
18.	0.008 × 1,000 =
19.	0.32 × 10 =
20.	0.67 × 10 =
21.	0.91 × 100 =
22.	0.74 × 100 =

23.	4.1 × 1,000 =	
24.	7.6 × 1,000 =	
25.	0.01 × 1,000 =	
26.	0.07 × 1,000 =	
27.	0.072 × 100 =	
28.	0.802 × 10 =	
29.	0.019 × 1,000 =	
30.	7.412 × 1,000 =	
31.	6.8 × 100 =	
32.	4.901 × 10 =	
33.	16.07 × 100 =	
34.	9.19 × 10 =	
35.	18.2 × 100 =	
36.	14.7 × 1,000 =	
37.	2.021 × 100 =	
38.	172.1 × 10 =	
39.	3.2 × 20 =	
40.	4.1 × 20 =	
41.	3.2 × 30 =	
42.	1.3 × 30 =	
43.	3.12 × 40 =	
44.	14.12 × 40 =	

Multiply Decimals by 10, 100, and 1,000

Number Correct:	
Improvement:	

1.	46.1 × 10 =	
2.	46.1 × 100 =	
3.	46.1 × 1,000 =	
4.	89.2 × 10 =	
5.	89.2 × 100 =	
6.	89.2 × 1,000 =	
7.	0.3 × 10 =	
8.	0.03 × 10 =	
9.	0.003 × 10 =	
10.	0.9 × 10 =	
11.	0.9 × 100 =	
12.	0.9 × 1,000 =	
13.	0.04 × 10 =	
14.	0.04 × 100 =	
15.	0.04 × 1,000 =	
16.	0.007 × 10 =	
17.	0.007 × 100 =	
18.	0.007 × 1,000 =	
19.	0.45 × 10 =	
20.	0.78 × 10 =	
21.	0.28 × 100 =	
22.	0.19 × 100 =	

23.	5.2 × 1,000 =	
24.	8.7 × 1,000 =	
25.	0.01 × 1,000 =	
26.	0.08 × 1,000 =	
27.	0.083 × 10 =	
28.	0.903 × 10 =	
29.	0.017 × 1,000 =	
30.	8.523 × 1,000 =	
31.	7.9 × 100 =	
32.	5.802 × 10 =	
33.	27.08 × 100 =	
34.	8.18 × 10 =	
35.	29.3 × 100 =	
36.	25.8 × 1,000 =	
37.	3.032 × 100 =	
38.	283.1 × 10 =	
39.	2.1 × 20 =	
40.	3.3 × 20 =	
41.	3.1 × 30 =	
42.	1.2 × 30 =	
43.	2.11 × 40 =	
44.	13.11 × 40 =	

Lesson 8:

Generate a number pattern from a given rule, and plot the points.

Round to the Nearest One

1.	3.1 ≈	
2.	3.2 ≈	
3.	3.3 ≈	
4.	3.4 ≈	
5.	3.5 ≈	
6.	3.6 ≈	
7.	3.9 ≈	
8.	13.9 ≈	
9.	13.1 ≈	
10.	13.5 ≈	
11.	7.5 ≈	
12.	8.5 ≈	
13.	9.5 ≈	
14.	19.5 ≈	
15.	29.5 ≈	
16.	89.5 ≈	
17.	2.4 ≈	
18.	2.41 ≈	
19.	2.42 ≈	
20.	2.45 ≈	
21.	2.49 ≈	
22.	2.51 ≈	

23.	12.51 ≈	
24.	16.61 ≈	
25.	17.41 ≈	
26.	11.51 ≈	
27.	11.49 ≈	
28.	13.49 ≈	
29.	13.51 ≈	
30.	15.51 ≈	
31.	15.49 ≈	
32.	6.3 ≈	
33.	7.6 ≈	
34.	49.5 ≈	
35.	3.45 ≈	
36.	17.46 ≈	
37.	11.76 ≈	
38.	5.2 ≈	
39.	12.8 ≈	
40.	59.5 ≈	
41.	5.45 ≈	
42.	19.47 ≈	
43.	19.87 ≈	
44.	69.51 ≈	

Round to the Nearest One

1.	4.1 ≈	
2.	4.2 ≈	
3.	4.3 ≈	
4.	4.4 ≈	
5.	4.5 ≈	
6.	4.6 ≈	
7.	4.9 ≈	
8.	14.9 ≈	
9.	14.1 ≈	
10.	14.5 ≈	
11.	7.5 ≈	
12.	8.5 ≈	
13.	9.5 ≈	
14.	19.5 ≈	
15.	29.5 ≈	
16.	79.5 ≈	
17.	3.4 ≈	
18.	3.41 ≈	
19.	3.42 ≈	
20.	3.45 ≈	
21.	3.49 ≈	
22.	3.51 ≈	

Number Correct:	
Improvement:	

23.	13.51 ≈	
24.	17.61 ≈	
25.	18.41 ≈	
26.	12.51 ≈	
27.	12.49 ≈	
28.	14.49 ≈	
29.	14.51 ≈	
30.	16.51 ≈	
31.	16.49 ≈	
32.	7.3 ≈	
33.	8.6 ≈	
34.	39.5 ≈	
35.	4.45 ≈	
36.	18.46 ≈	
37.	12.76 ≈	
38.	6.2 ≈	
39.	13.8 ≈	
40.	49.5 ≈	
41.	6.45 ≈	
42.	19.48 ≈	
43.	19.78 ≈	
44.	59.51 ≈	

Lesson 11:

Analyze number patterns created from mixed operations.

Subtract Decimals

1.	5 – 1 =	
2.	5.9 – 1 =	
3.	5.93 – 1 =	
4.	5.932 – 1 =	
5.	5.932 – 2 =	
6.	5.932 – 4 =	
7.	0.5 – 0.1 =	
8.	0.53 – 0.1 =	
9.	0.539 – 0.1 =	
10.	8.539 – 0.1 =	
11.	8.539 – 0.2 =	
12.	8.539 – 0.4 =	
13.	0.05 - 0.01 =	
14.	0.057 - 0.01 =	
15.	1.057 – 0.01 =	
16.	1.857 – 0.01 =	
17.	1.857 – 0.02 =	
18.	1.857 – 0.04 =	
19.	0.005 - 0.001 =	
20.	7.005 – 0.001 =	
21.	7.905 – 0.001 =	
22.	7.985 – 0.001 =	

Numb	ber Correct:	:

23.	7.985 – 0.002 =			
24.	7.985 – 0.004 =			
25.	2.7 – 0.1 =			
26.	2.785 – 0.1 =			
27.	2.785 – 0.5 =			
28.	4.913 – 0.4 =			
29.	3.58 – 0.01 =			
30.	3.586 – 0.01 =			
31.	3.586 – 0.05 =			
32.	7.982 – 0.04 =			
33.	6.126 – 0.001 =			
34.	6.126 – 0.004 =			
35.	9.348 – 0.006 =			
36.	8.347 – 0.3 =			
37.	9.157 – 0.05 =			
38.	6.879 – 0.009 =			
39.	6.548 – 2 =			
40.	6.548 – 0.2 =			
41.	6.548 – 0.02 =			
42.	6.548 - 0.002 =			
43.	6.196 – 0.06 =			
44.	9.517 – 0.004 =			

Subtract Decimals

1.	6 – 1 =	
2.	6.9 – 1 =	
3.	6.93 – 1 =	
4.	6.932 – 1 =	
5.	6.932 – 2 =	
6.	6.932 – 4 =	
7.	0.6 - 0.1 =	
8.	0.63 - 0.1 =	
9.	0.639 – 0.1 =	
10.	8.639 – 0.1 =	
11.	8.639 – 0.2 =	
12.	8.639 – 0.4 =	
13.	0.06 - 0.01 =	
14.	0.067 – 0.01 =	
15.	1.067 – 0.01 =	
16.	1.867 – 0.01 =	
17.	1.867 – 0.02 =	
18.	1.867 – 0.04 =	
19.	0.006 - 0.001 =	
20.	7.006 – 0.001 =	
21.	7.906 – 0.001 =	
22.	7.986 – 0.001 =	

Number Correct:	
Improvement:	

23.	7.986 – 0.002 =				
24.	7.986 – 0.004 =				
25.	3.7 – 0.1 =				
26.	3.785 – 0.1 =				
27.	3.785 – 0.5 =				
28.	5.924 – 0.4 =				
29.	4.58 – 0.01 =				
30.	4.586 – 0.01 =				
31.	4.586 – 0.05 =				
32.	6.183 – 0.04 =				
33.	7.127 – 0.001 =				
34.	7.127 – 0.004 =				
35.	1.459 – 0.006 =				
36.	8.457 – 0.4 =				
37.	1.267 – 0.06 =				
38.	7.981 – 0.001 =				
39.	7.548 – 2 =				
40.	7.548 – 0.2 =				
41.	7.548 – 0.02 =				
42.	7.548 – 0.002 =				
43.	7.197 – 0.06 =				
44.	1.627 - 0.004 =				

Lesson 12:

Create a rule to generate a number pattern, and plot the points.

Make Larger Units

1.	² / ₄ =		23.	⁹ / ₂₇ =
2.	² / ₆ =		24.	⁹ / ₆₃ =
3.	² / ₈ =		25.	8/ ₁₂ =
4.	⁵ / ₁₀ =		26.	8/ ₁₆ =
5.	⁵ / ₁₅ =		27.	⁸ / ₂₄ =
6.	⁵ / ₂₀ =		28.	8/ ₆₄ =
7.	4/8 =		29.	12/ ₁₈ =
8.	4/ ₁₂ =		30.	¹² / ₁₆ =
9.	⁴ / ₁₆ =		31.	9/ ₁₂ =
10.	³ / ₆ =		32.	⁶ / ₈ =
11.	³ / ₉ =		33.	10/ ₁₂ =
12.	³ / ₁₂ =		34.	¹⁵ / ₁₈ =
13.	⁴ / ₆ =		35.	⁸ / ₁₀ =
14.	⁶ / ₁₂ =		36.	¹⁶ / ₂₀ =
15.	⁶ / ₁₈ =		37.	¹² / ₁₅ =
16.	⁶ / ₃₀ =		38.	¹⁸ / ₂₇ =
17.	⁶ / ₉ =		39.	²⁷ / ₃₆ =
18.	⁷ / ₁₄ =		40.	³² / ₄₀ =
19.	⁷ / ₂₁ =		41.	⁴⁵ / ₅₄ =
20.	⁷ / ₄₂ =		42.	²⁴ / ₃₆ =
21.	8/ ₁₂ =		43.	⁶⁰ / ₇₂ =
22.	⁹ / ₁₈ =		44.	⁴⁸ / ₆₀ =

B

Make Larger Units

Number Correct:	
Improvement:	

1.	5/ ₁₀ =
2.	⁵ / ₁₅ =
3.	⁵ / ₂₀ =
4.	2/4 =
5.	² / ₆ =
6.	2/8 =
7.	³ / ₆ =
8.	³ / ₉ =
9.	³ / ₁₂ =
10.	4/8 =
11.	4/ ₁₂ =
12.	⁴ / ₁₆ =
13.	⁴ / ₆ =
14.	⁷ / ₁₄ =
15.	⁷ / ₂₁ =
16.	⁷ / ₃₅ =
17.	⁶ / ₉ =
18.	6/ ₁₂ =
19.	6/ ₁₈ =
20.	⁶ / ₃₆ =
21.	8/ ₁₂ =
22.	8/ ₁₆ =

23.	⁸ / ₂₄ =
24.	⁸ / ₅₆ =
25.	8/ ₁₂ =
26.	⁹ / ₁₈ =
27.	⁹ / ₂₇ =
28.	⁹ / ₇₂ =
29.	¹² / ₁₈ =
30.	⁶ / ₈ =
31.	9/ ₁₂ =
32.	¹² / ₁₆ =
33.	⁸ / ₁₀ =
34.	¹⁶ / ₂₀ =
35.	¹² / ₁₅ =
36.	10/ ₁₂ =
37.	¹⁵ / ₁₈ =
38.	¹⁶ / ₂₄ =
39.	²⁴ / ₃₂ =
40.	³⁶ / ₄₅ =
41.	40/48 =
42.	²⁴ / ₃₆ =
43.	48/60 =
44.	⁶⁰ / ₇₂ =

Subtracting Fractions from a Whole Number

1.	$4 - \frac{1}{2} =$	
1.	2	
2.	$3 - \frac{1}{2} =$	
3.	$2 - \frac{1}{2} =$	
4.	$1 - \frac{1}{2} =$	
5.	$1 - \frac{1}{3} =$	
6.	$2 - \frac{1}{3} =$	
7.	$4 - \frac{1}{3} =$	
8.	$4 - \frac{1}{3} = 4 - \frac{2}{3} = $	
9.	$2 - \frac{2}{3} =$	
10.	$2 - \frac{1}{4} =$	
11.	$2 - \frac{3}{4} =$	
12.	$3 - \frac{3}{4} =$	
13.	$3 - \frac{1}{4} =$	
14.	$4 - \frac{3}{4} =$	
15.	$2 - \frac{1}{10} =$	
16.	$3 - \frac{9}{10} =$	
17.	$2 - \frac{7}{10} =$	
18.	$4 - \frac{3}{10} =$	
19.	$3 - \frac{1}{5} =$	
20.	$3 - \frac{2}{5} =$	
21.	$3 - \frac{2}{5} = $ $3 - \frac{4}{5} = $	
22.	$3 - \frac{3}{5} =$	

23.	$3 - \frac{1}{8} =$	
24.	$3 - \frac{3}{8} =$	
25.	$3 - \frac{5}{8} =$	
26.	$3 - \frac{7}{8} =$	
27.	$2 - \frac{7}{8} =$	
28.	$4 - \frac{1}{7} =$	
29.	$3 - \frac{6}{7} =$	
30.	$2 - \frac{3}{7} =$	
31.	$4 - \frac{4}{7} =$	
32.	$3 - \frac{5}{7} =$	
33.	$4 - \frac{3}{4} =$	
34.	$2 - \frac{5}{8} =$	
35.	$3 - \frac{3}{10} =$	
36.	$4 - \frac{2}{5} =$	
37.	$4-\frac{3}{7}=$	
38.	$3 - \frac{7}{10} =$	
39.	$3 - \frac{5}{10} =$	
40.	$4 - \frac{2}{8} =$	
41.	$2 - \frac{9}{12} =$	
42.	$4 - \frac{2}{12} =$	
43.	$3 - \frac{2}{6} =$	
44.	$2-\frac{8}{12}=$	

B

Number Correct: _____ Improvement: _____

Subtracting Fractions from a Whole Number

1.	$1 - \frac{1}{2} =$	
2.	$2 - \frac{1}{2} =$	
3.	$3 - \frac{1}{2} =$	
4.	$4 - \frac{1}{2} =$	
5.	$1 - \frac{1}{4} =$	
6.	$2 - \frac{1}{4} =$	
7.	$4 - \frac{1}{4} =$	
8.	$4 - \frac{3}{4} =$	
9.	$2 - \frac{3}{4} =$	
10.	$2 - \frac{1}{3} =$	
11.	$2 - \frac{2}{3} =$	
12.	$3 - \frac{2}{3} =$	
13.	$3 - \frac{1}{3} =$	
14.	$4-\frac{2}{3}=$	
15.	$3 - \frac{1}{10} =$	
16.	$2 - \frac{9}{10} =$	
17.	$4 - \frac{7}{10} =$	
18.	$3 - \frac{3}{10} =$	
19.	$2 - \frac{1}{5} =$	
20.	$2-\frac{2}{5}=$	
21.	$2 - \frac{4}{5} =$	
22.	$3 - \frac{3}{5} =$	

23.	$2 - \frac{1}{8} =$	
24.	$2 - \frac{3}{8} =$	
25.	$2 - \frac{5}{8} =$	
26.	$2 - \frac{7}{8} =$	
27.	$4 - \frac{7}{8} =$	
28.	$3 - \frac{1}{7} =$	
29.	$2 - \frac{6}{7} =$	
30.	$4 - \frac{3}{7} =$	
31.	$3 - \frac{4}{7} =$	
32.	$2 - \frac{5}{7} =$	
33.	$3 - \frac{3}{4} =$	
34.	$4 - \frac{5}{8} =$	
35.	$2 - \frac{3}{10} =$	
36.	$3 - \frac{2}{5} =$	
37.	$3 - \frac{3}{7} =$	
38.	$2 - \frac{7}{10} =$	
39.	$2 - \frac{5}{10} =$	
40.	$3 - \frac{6}{8} =$	
41.	$4 - \frac{3}{12} =$	
42.	$3 - \frac{10}{12} =$	
43.	$2 - \frac{4}{6} =$	
44.	$4 - \frac{4}{12} =$	

Change Mixed Numbers into Improper Fractions

1.	1 1/5 =	
2.	$2\frac{1}{5} =$	
3.	$3\frac{1}{5} =$	
4.	$4\frac{1}{5} =$	
5.	$1\frac{1}{4} =$	
6.	$1\frac{3}{4} =$	
7.	$1 \frac{2}{5} = $ $1 \frac{3}{5} = $ $1 \frac{4}{5} = $	
8.	$1\frac{3}{5} =$	
9.	1 4/5 =	
10.	2 4/5 =	
11.	3 4/5 =	
12.	2 \frac{1}{4} =	
13.	$2\frac{3}{4} =$	
14.	3 \frac{1}{4} =	
15.	3 3/4 =	
16.	$4 \frac{1}{3} = 4 \frac{2}{3} = 2 \frac{3}{5} =$	
17.	$4\frac{2}{3} =$	
18.	$2\frac{3}{5} =$	
19.	$3\frac{3}{5} =$	
20.	$4\frac{3}{7} =$	
21.	$2\frac{1}{6} =$	
22.	3 \frac{1}{8} =	

23.	2 $\frac{7}{10}$ =	
24.	4 $\frac{9}{10}$ =	
25.	1 1/8 =	
26.	1 5/6 =	
27.	$4\frac{5}{6} =$	
28.	4 \frac{5}{8} =	
29.	1 5/8 =	
30.	$2\frac{3}{8} =$	
31.	$3\frac{3}{10} =$	
32.	$4\frac{7}{10} =$	
33.	$4\frac{4}{5} =$	
34.	$4\frac{1}{8} =$	
35.	$4\frac{3}{8} =$	
36.	$4\frac{7}{8} =$	
37.	$1\frac{5}{12} =$	
38.	1 7/12 =	
39.	2 1/12 =	
40.	3 1 =	
41.	2 $\frac{7}{12}$ =	
42.	$3\frac{5}{12} =$	
43.	3 11/12 =	
44.	$4\frac{7}{12} =$	

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Improvement: _____

Change Mixed Numbers into Improper Fractions

1. $1 \frac{1}{2} =$ 2. $2 \frac{1}{2} =$ 3. $3 \frac{1}{2} =$ 4. $4 \frac{1}{2} =$ 5. $1 \frac{1}{3} =$ 6. $1 \frac{2}{3} =$ 7. $1 \frac{3}{10} =$ 8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$ 22. $2 \frac{1}{8} =$			
2. $2\frac{1}{2} =$ 3. $3\frac{1}{2} =$ 4. $4\frac{1}{2} =$ 5. $1\frac{1}{3} =$ 6. $1\frac{2}{3} =$ 7. $1\frac{3}{10} =$ 8. $1\frac{7}{10} =$ 9. $1\frac{9}{10} =$ 10. $2\frac{9}{10} =$ 11. $3\frac{9}{10} =$ 12. $2\frac{1}{3} =$ 13. $2\frac{2}{3} =$ 14. $3\frac{1}{3} =$ 15. $3\frac{2}{3} =$ 16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	1.	$1\frac{1}{2} =$	
4. $4 \frac{1}{2} =$ 5. $1 \frac{1}{3} =$ 6. $1 \frac{2}{3} =$ 7. $1 \frac{3}{10} =$ 8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$	2.	$2\frac{1}{2} =$	
5. $1 \frac{1}{3} =$ 6. $1 \frac{2}{3} =$ 7. $1 \frac{3}{10} =$ 8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$	3.		
5. $1 \frac{1}{3} =$ 6. $1 \frac{2}{3} =$ 7. $1 \frac{3}{10} =$ 8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$	4.	$4\frac{1}{2} =$	
7. $1 \frac{3}{10} =$ 8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$	5.	1 1/3 =	
8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$	6.	$1\frac{2}{3} =$	
8. $1 \frac{7}{10} =$ 9. $1 \frac{9}{10} =$ 10. $2 \frac{9}{10} =$ 11. $3 \frac{9}{10} =$ 12. $2 \frac{1}{3} =$ 13. $2 \frac{2}{3} =$ 14. $3 \frac{1}{3} =$ 15. $3 \frac{2}{3} =$ 16. $4 \frac{1}{4} =$ 17. $4 \frac{3}{4} =$ 18. $2 \frac{2}{5} =$ 19. $3 \frac{2}{5} =$ 20. $4 \frac{2}{5} =$ 21. $3 \frac{1}{6} =$	7.	1 3/10 =	
9. $1 \frac{9}{10} = \frac{1}{10} = \frac{1}$	8.	$1\frac{7}{10} =$	
11. $3\frac{9}{10} =$ 12. $2\frac{1}{3} =$ 13. $2\frac{2}{3} =$ 14. $3\frac{1}{3} =$ 15. $3\frac{2}{3} =$ 16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	9.		
12. $2\frac{1}{3} =$ 13. $2\frac{2}{3} =$ 14. $3\frac{1}{3} =$ 15. $3\frac{2}{3} =$ 16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	10.	2 $\frac{9}{10}$ =	
13. $2\frac{2}{3} =$ 14. $3\frac{1}{3} =$ 15. $3\frac{2}{3} =$ 16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	11.	3 $\frac{9}{10}$ =	
14. $3\frac{1}{3} =$ 15. $3\frac{2}{3} =$ 16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	12.	$2\frac{1}{3} =$	
14. $3\frac{1}{3} =$ 15. $3\frac{2}{3} =$ 16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	13.	$2\frac{2}{3} =$	
16. $4\frac{1}{4} =$ 17. $4\frac{3}{4} =$ 18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	14.	3 1/3 =	
18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	15.	$3\frac{2}{3} =$	
18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	16.	4 1/4 =	
18. $2\frac{2}{5} =$ 19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	17.	$4\frac{3}{4} =$	
19. $3\frac{2}{5} =$ 20. $4\frac{2}{5} =$ 21. $3\frac{1}{6} =$	18.	$2\frac{2}{5} =$	
21. $3\frac{1}{6} =$	19.	3 $\frac{2}{5}$ =	
21. $3\frac{1}{6} =$	20.	$4\frac{2}{5} =$	
22. $2\frac{1}{8} =$	21.	3 $\frac{1}{6}$ =	
<u> </u>	22.	2 1/8 =	

23.	$2\frac{3}{10} =$	
24.	3 1 =	
25.	$1\frac{1}{6} =$	
26.	$1\frac{3}{8} =$	
27.	$3\frac{5}{6} =$	
28.	3 \frac{5}{8} =	
29.	2 \frac{5}{8} =	
30.	1 7/8 =	
31.	$4\frac{3}{10} =$	
32.	$3\frac{7}{10} =$	
33.	$2\frac{5}{6} =$	
34.	2 7/8 =	
35.	3 7/8 =	
36.	$4\frac{1}{6} =$	
37.	1 1 =	
38.	1 11 =	
39.	$4\frac{1}{12} =$	
40.	$2\frac{5}{12} =$	
41.	2 11/12 =	
42.	3 $\frac{7}{12}$ =	
43.	$4\frac{5}{12} =$	
44.	$4\frac{11}{12} =$	

Multiply Decimals

1.	3 × 2 =
2.	3 × 0.2 =
3.	3 × 0.02 =
4.	3 × 3 =
5.	3 × 0.3 =
6.	3 × 0.03 =
7.	2 × 4 =
8.	2 × 0.4 =
9.	2 × 0.04 =
10.	5 × 3 =
11.	5 × 0.3 =
12.	5 × 0.03 =
13.	7 × 2 =
14.	7 × 0.2 =
15.	7 × 0.02 =
16.	4 × 3 =
17.	4 × 0.3 =
18.	0.4 × 3 =
19.	0.4 × 0.3 =
20.	0.4 × 0.03 =
21.	0.3 × 0.04 =
22.	6 × 2 =

23.	0.6 × 2 =	
24.	0.6 × 0.2 =	
25.	0.6 × 0.02 =	
26.	0.2 × 0.06 =	
27.	5 × 7 =	
28.	0.5 × 7 =	
29.	0.5 × 0.7 =	
30.	0.5 × 0.07 =	
31.	0.7 × 0.05 =	
32.	2 × 8 =	
33.	9 × 0.2 =	
34.	3 × 7 =	
35.	8 × 0.03 =	
36.	4 × 6 =	
37.	0.6 × 7 =	
38.	0.7 × 0.7 =	
39.	0.8 × 0.06 =	
40.	0.09 × 0.6 =	
41.	6 × 0.8 =	
42.	0.7 × 0.9 =	
43.	0.08 × 0.8 =	
44.	0.9 × 0.08 =	

Multiply Decimals

1.	4 × 2 =	
2.	4 × 0.2 =	
3.	4 × 0.02 =	
4.	2 × 3 =	
5.	2 × 0.3 =	
6.	2 × 0.03 =	
7.	3 × 3 =	
8.	3 × 0.3 =	
9.	3 × 0.03 =	
10.	4 × 3 =	
11.	4 × 0.3 =	
12.	4 × 0.03 =	
13.	9 × 2 =	
14.	9 × 0.2 =	
15.	9 × 0.02 =	
16.	5 × 3 =	
17.	5 × 0.3 =	
18.	0.5 × 3 =	
19.	0.5 × 0.3 =	
20.	0.5 × 0.03 =	
21.	0.3 × 0.05 =	
22.	8 × 2 =	

Number Correct:	
Improvement:	

23.	0.8 × 2 =	
24.	0.8 × 0.2 =	
25.	0.8 × 0.02 =	
26.	0.2 × 0.08 =	
27.	5 × 9 =	
28.	0.5 × 9 =	
29.	0.5 × 0.9 =	
30.	0.5 × 0.09 =	
31.	0.9 × 0.05 =	
32.	2 × 6 =	
33.	7 × 0.2 =	
34.	3 × 8 =	
35.	9 × 0.03 =	
36.	4 × 8 =	
37.	0.7 × 6 =	
38.	0.6 × 0.6 =	
39.	0.6 × 0.08 =	
40.	0.06 × 0.9 =	
41.	8 × 0.6 =	
42.	0.9 × 0.7 =	
43.	0.07 × 0.7 =	
44.	0.8 × 0.09 =	

Lesson 29:

Solidify the vocabulary of geometry.

Divide Decimals

1.	1 ÷ 1 =
2.	1 ÷ 0.1 =
3.	2 ÷ 0.1 =
4.	7 ÷ 0.1 =
5.	1 ÷ 0.1 =
6.	10 ÷ 0.1 =
7.	20 ÷ 0.1 =
8.	60 ÷ 0.1 =
9.	1 ÷ 1 =
10.	1 ÷ 0.1 =
11.	10 ÷ 0.1 =
12.	100 ÷ 0.1 =
13.	200 ÷ 0.1 =
14.	800 ÷ 0.1 =
15.	1 ÷ 0.1 =
16.	1 ÷ 0.01 =
17.	2 ÷ 0.01 =
18.	9 ÷ 0.01 =
19.	5 ÷ 0.01 =
20.	50 ÷ 0.01 =
21.	60 ÷ 0.01 =
22.	20 ÷ 0.01 =

23.	5 ÷ 0.1 =	
24.	0.5 ÷ 0.1 =	
25.	0.05 ÷ 0.1 =	
26.	0.08 ÷ 0.1 =	
27.	4 ÷ 0.01 =	
28.	40 ÷ 0.01 =	
29.	47 ÷ 0.01 =	
30.	59 ÷ 0.01 =	
31.	3 ÷ 0.1 =	
32.	30 ÷ 0.1 =	
33.	32 ÷ 0.1 =	
34.	32.5 ÷ 0.1 =	
35.	25 ÷ 5 =	
36.	2.5 ÷ 0.5 =	
37.	2.5 ÷ 0.05 =	
38.	3.6 ÷ 0.04 =	
39.	32 ÷ 0.08 =	
40.	56 ÷ 0.7 =	
41.	77 ÷ 1.1 =	
42.	4.8 ÷ 0.12 =	
43.	4.84 ÷ 0.4 =	
44.	9.63 ÷ 0.03 =	

Divide Decimals

1.	10 ÷ 1 =	
2.	1 ÷ 0.1 =	
3.	2 ÷ 0.1 =	
4.	8 ÷ 0.1 =	
5.	1 ÷ 0.1 =	
6.	10 ÷ 0.1 =	
7.	20 ÷ 0.1 =	
8.	70 ÷ 0.1 =	
9.	1 ÷ 1 =	
10.	1 ÷ 0.1 =	
11.	10 ÷ 0.1 =	
12.	100 ÷ 0.1 =	
13.	200 ÷ 0.1 =	
14.	900 ÷ 0.1 =	
15.	1 ÷ 0.1 =	
16.	1 ÷ 0.01 =	
17.	2 ÷ 0.01 =	
18.	7 ÷ 0.01 =	
19.	4 ÷ 0.01 =	
20.	40 ÷ 0.01 =	
21.	50 ÷ 0.01 =	
22.	80 ÷ 0.01 =	

Number Correct:	
Improvement:	

23.	4 ÷ 0.1 =	
24.	0.4 ÷ 0.1 =	
25.	0.04 ÷ 0.1 =	
26.	0.07 ÷ 0.1 =	
27.	5 ÷ 0.01 =	
28.	50 ÷ 0.01 =	
29.	53 ÷ 0.01 =	
30.	68 ÷ 0.01 =	
31.	2 ÷ 0.1 =	
32.	20 ÷ 0.1 =	
33.	23 ÷ 0.1 =	
34.	23.6 ÷ 0.1 =	
35.	15 ÷ 5 =	
36.	1.5 ÷ 0.5 =	
37.	1.5 ÷ 0.05 =	
38.	3.2 ÷ 0.04 =	
39.	28 ÷ 0.07 =	
40.	42 ÷ 0.6 =	
41.	88 ÷ 1.1 =	
42.	3.6 ÷ 0.12 =	
43.	3.63 ÷ 0.3 =	
44.	8.44 ÷ 0.04 =	