

A Story of Units[®]

Eureka Math[™]

Grade 5, Module 6

Student File_B

*Contains Sprint and Fluency, Exit Ticket,
and Assessment Materials*

Published by the non-profit Great Minds.

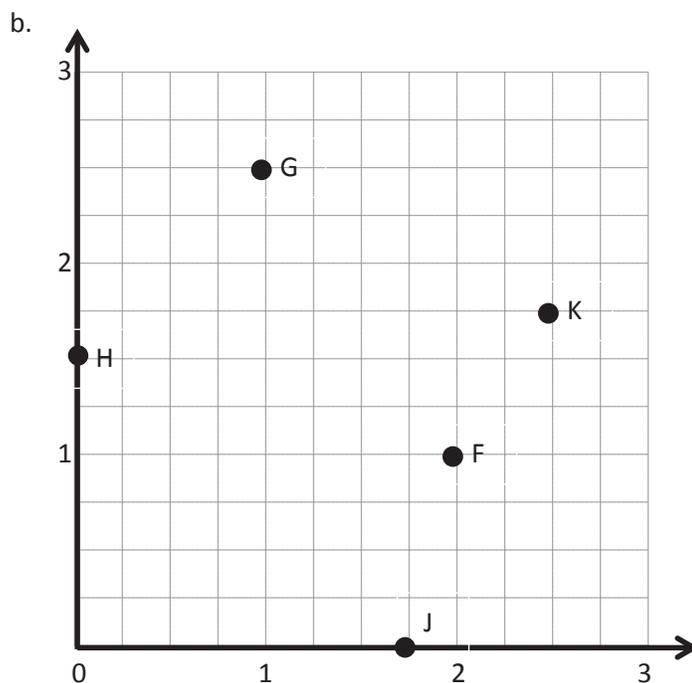
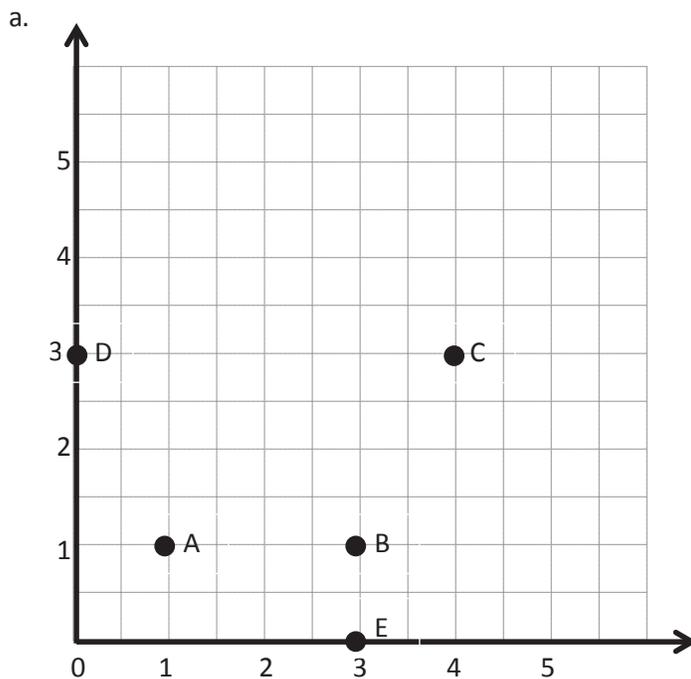
Copyright © 2015 Great Minds. No part of this work may be reproduced, sold, or commercialized, in whole or in part, without written permission from Great Minds. Non-commercial use is licensed pursuant to a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 license; for more information, go to <http://greatminds.net/maps/math/copyright>. “Great Minds” and “Eureka Math” are registered trademarks of Great Minds.

Printed in the U.S.A.

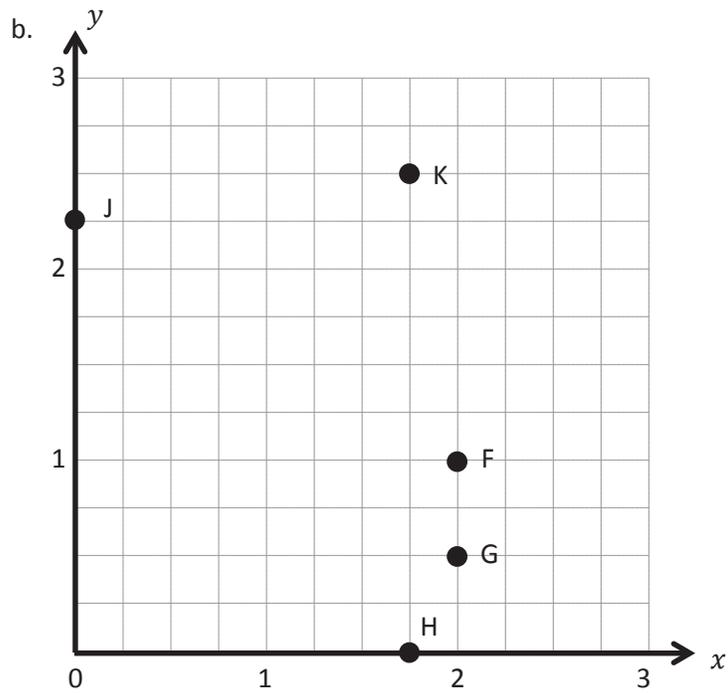
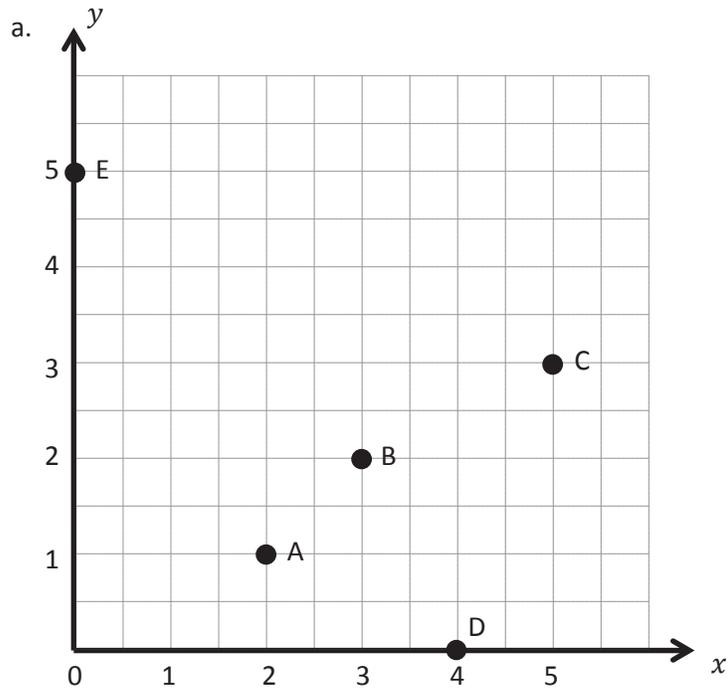
This book may be purchased from the publisher at eureka-math.org

10 9 8 7 6 5 4 3 2 1

Sprint and Fluency Packet

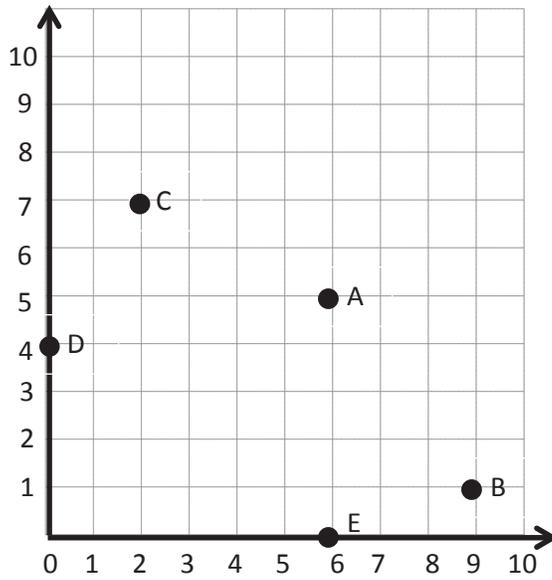


coordinate grid

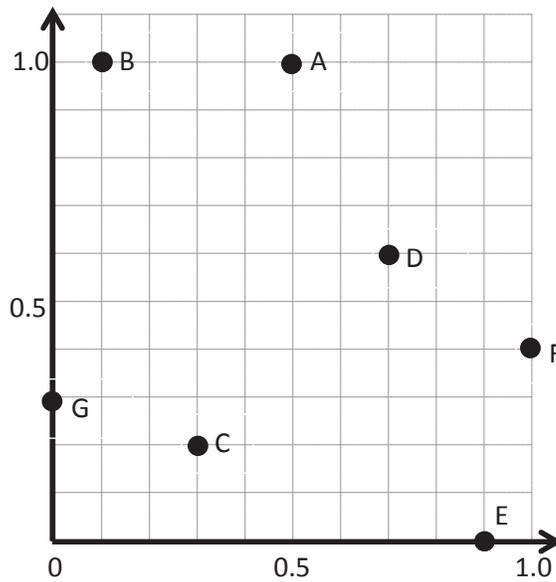


coordinate grid

a.



b.



coordinate grid

A

Number Correct: _____

Multiply Decimals by 10, 100, and 1,000

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

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

B

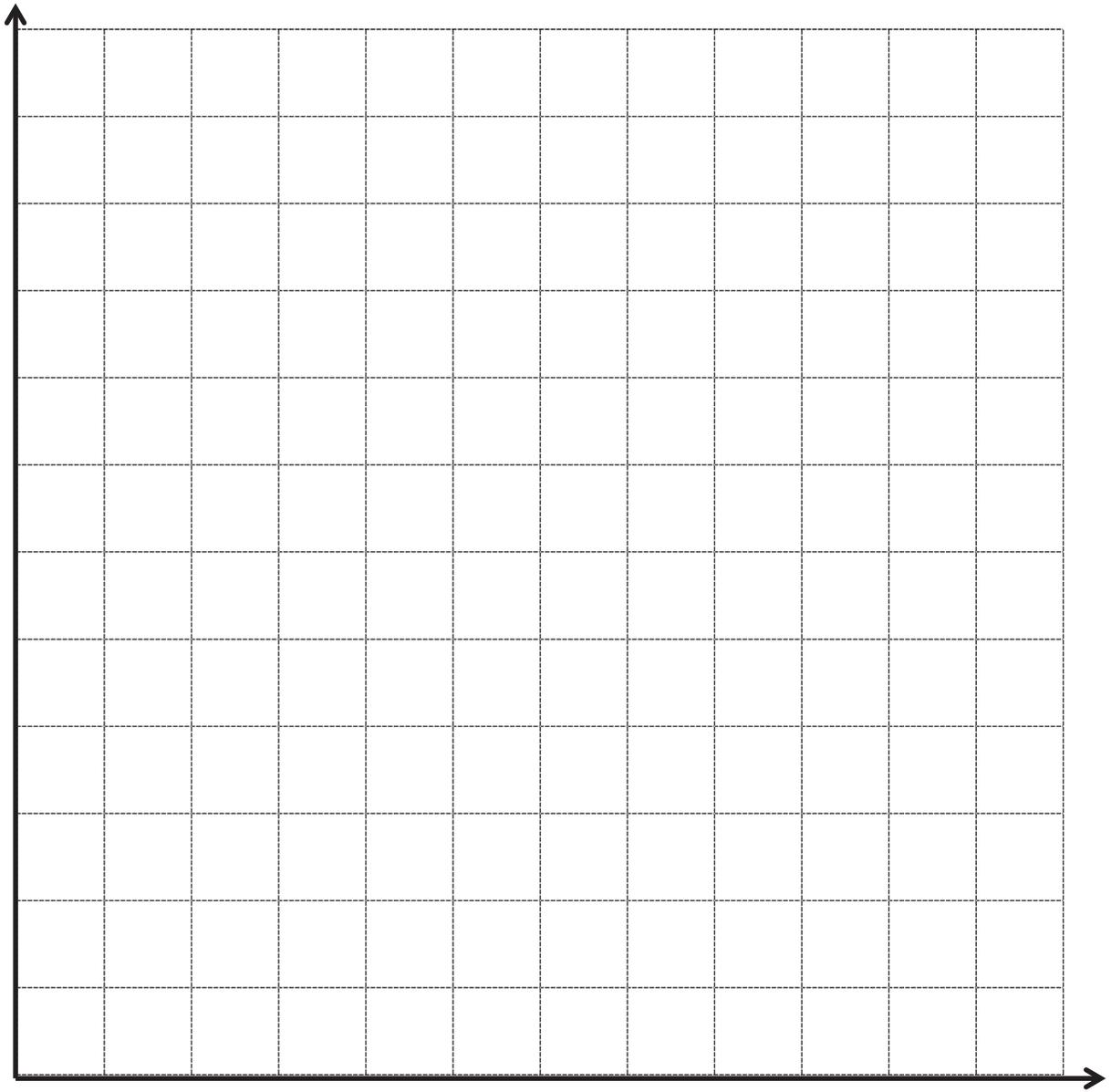
Number Correct: _____

Improvement: _____

Multiply Decimals by 10, 100, and 1,000

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

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



coordinate grid insert

A

Number Correct: _____

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 ≈	

B

Number Correct: _____

Improvement: _____

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 ≈	

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 ≈	

A

Number Correct: _____

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.	$7.985 - 0.001 =$	

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.	$9.517 - 0.004 =$	

B

Number Correct: _____

Improvement: _____

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.	$7.986 - 0.001 =$	

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.	$1.627 - 0.004 =$	

A

Number Correct: _____

Make Larger Units

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

B

Number Correct: _____

Improvement: _____

Make Larger Units

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

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

A

Number Correct: _____

Subtracting Fractions from a Whole Number

1.	$4 - \frac{1}{2} =$	
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.	$4 - \frac{2}{3} =$	
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.	$3 - \frac{4}{5} =$	
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.	$4 - \frac{4}{12} =$	

A

Number Correct: _____

Change Mixed Numbers into Improper Fractions

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

23.	$2\frac{7}{10} =$	
24.	$4\frac{9}{10} =$	
25.	$1\frac{1}{8} =$	
26.	$1\frac{5}{6} =$	
27.	$4\frac{5}{6} =$	
28.	$4\frac{5}{8} =$	
29.	$1\frac{5}{8} =$	
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.	$1\frac{7}{12} =$	
39.	$2\frac{1}{12} =$	
40.	$3\frac{1}{12} =$	
41.	$2\frac{7}{12} =$	
42.	$3\frac{5}{12} =$	
43.	$3\frac{11}{12} =$	
44.	$4\frac{7}{12} =$	

B

Number Correct: _____

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.	$2\frac{1}{8} =$	

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

A

Number Correct: _____

Multiply Decimals

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

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

B

Number Correct: _____

Improvement: _____

Multiply Decimals

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

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

A

Number Correct: _____

Divide Decimals

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

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

B

Number Correct: _____

Improvement: _____

Divide Decimals

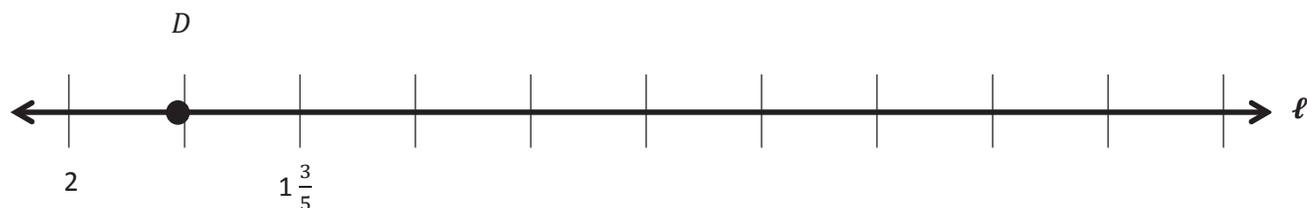
1.	$10 \div 1 =$	
2.	$1 \div 0.1 =$	
3.	$2 \div 0.1 =$	
4.	$8 \div 0.1 =$	
5.	$1 \div 0.1 =$	
6.	$10 \div 0.1 =$	
7.	$20 \div 0.1 =$	
8.	$70 \div 0.1 =$	
9.	$1 \div 1 =$	
10.	$1 \div 0.1 =$	
11.	$10 \div 0.1 =$	
12.	$100 \div 0.1 =$	
13.	$200 \div 0.1 =$	
14.	$900 \div 0.1 =$	
15.	$1 \div 0.1 =$	
16.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

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

Exit Ticket Packet

Name _____

Date _____

Use number line ℓ to answer the questions.

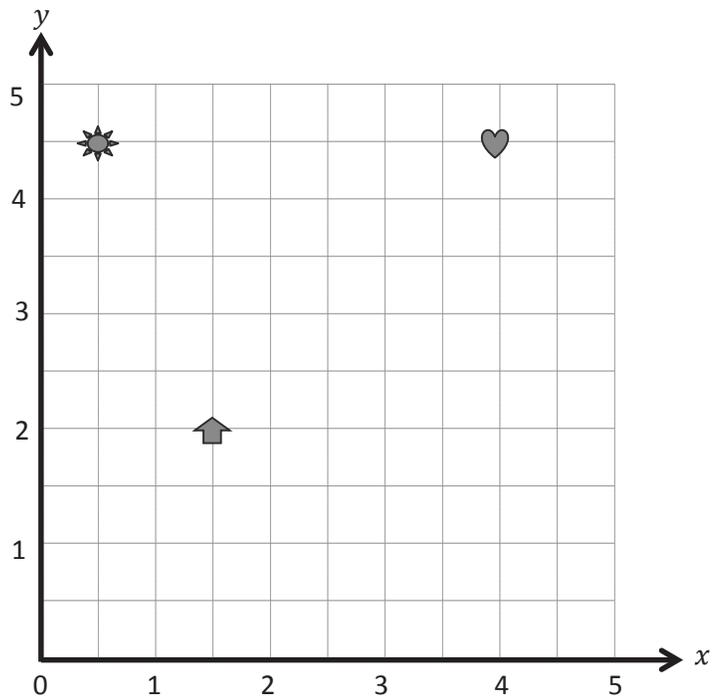
- Plot point C so that its distance from the origin is 1.
- Plot point E $\frac{4}{5}$ closer to the origin than C . What is its coordinate? _____
- Plot a point at the midpoint of C and E . Label it H .

Name _____

Date _____

1. Name the coordinates of the shapes below.

Shape	x -coordinate	y -coordinate
Sun		
Arrow		
Heart		

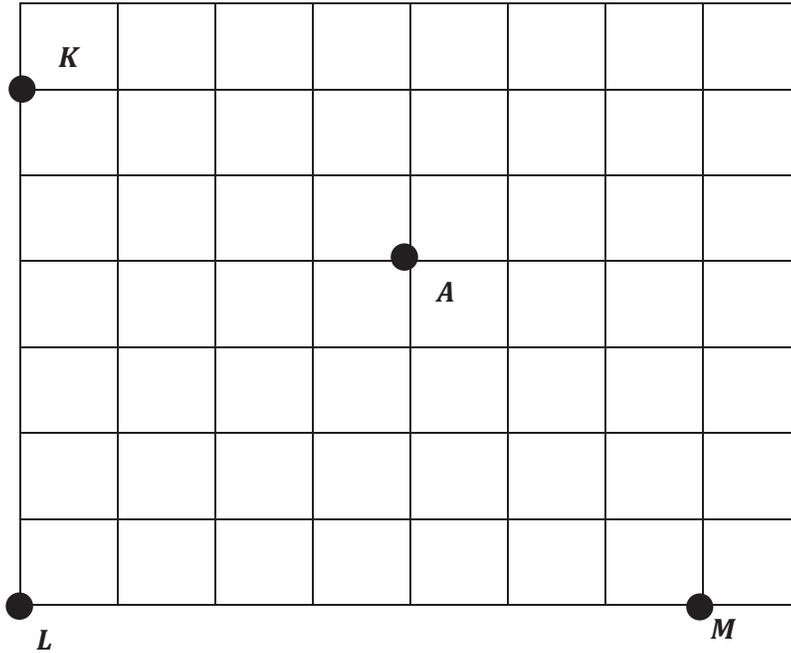


2. Plot a square at $(3, 3\frac{1}{2})$.
3. Plot a triangle at $(4\frac{1}{2}, 1)$.

Name _____

Date _____

Use a ruler on the grid below to construct the axes for a coordinate plane. The x -axis should intersect points L and M . Construct the y -axis so that it contains points K and L . Label each axis.



- Place a hash mark on each grid line on the x - and y -axis.
- Label each hash mark so that A is located at $(1, 1)$.
- Plot the following points:

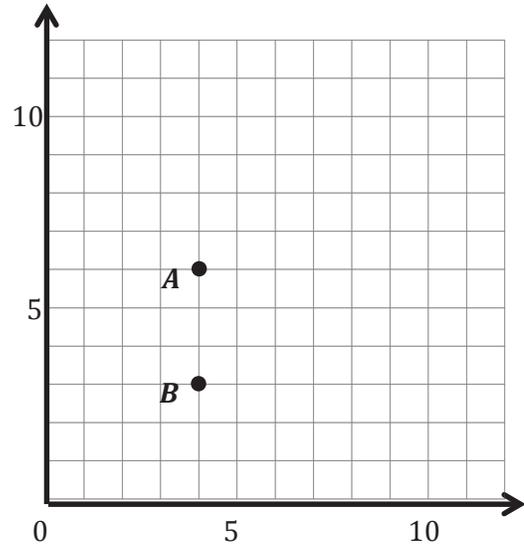
Point	x -coordinate	y -coordinate
B	$\frac{1}{4}$	0
C	$1\frac{1}{4}$	$\frac{3}{4}$

Name _____

Date _____

- Use a straightedge to construct a line that goes through points A and B . Label the line ℓ .
- Which axis is parallel to line ℓ ?

Which axis is perpendicular to line ℓ ?
- Plot two more points on line ℓ . Name them C and D .
- Give the coordinates of each point below.

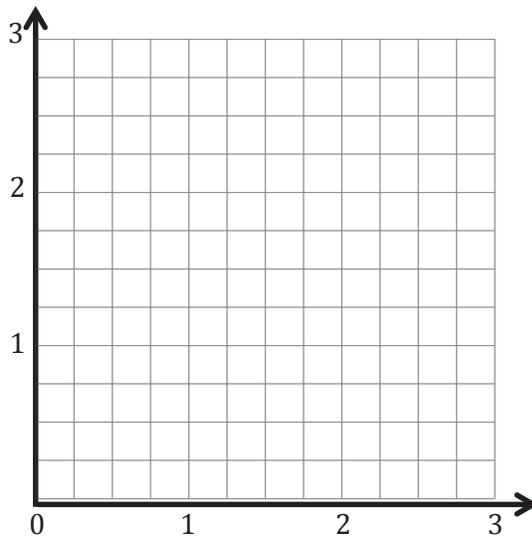
 A : _____ B : _____ C : _____ D : _____

- Give the coordinates of another point that falls on line ℓ with a y -coordinate greater than 20.

Name _____

Date _____

1. Plot the point $H (2\frac{1}{2}, 1\frac{1}{2})$.
2. Line ℓ passes through point H and is parallel to the y -axis. Construct line ℓ .
3. Construct line m such that the y -coordinate of every point is $\frac{3}{4}$.
4. Line m is _____ units from the x -axis.
5. Give the coordinates of the point on line m that is $\frac{1}{2}$ unit from the y -axis.
6. With a blue pencil, shade the portion of the plane that is less than $\frac{3}{4}$ unit from the x -axis.
7. With a red pencil, shade the portion of the plane that is less than $2\frac{1}{2}$ units from the y -axis.
8. Plot a point that lies in the double-shaded region. Give the coordinates of the point.

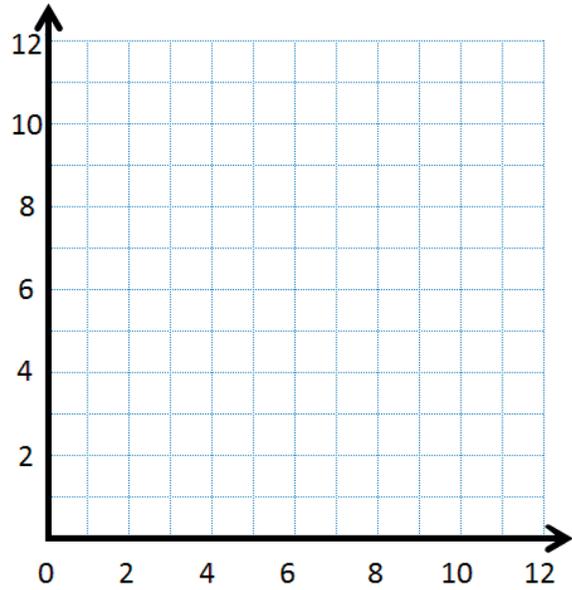


Name _____

Date _____

Complete the chart. Then, plot the points on the coordinate plane.

x	y	(x, y)
0	4	
2	6	
3	7	
7	11	



- Use a straightedge to draw a line connecting these points.
- Write a rule to show the relationship between the x - and y -coordinates for points on the line.
- Name two other points that are also on this line. _____

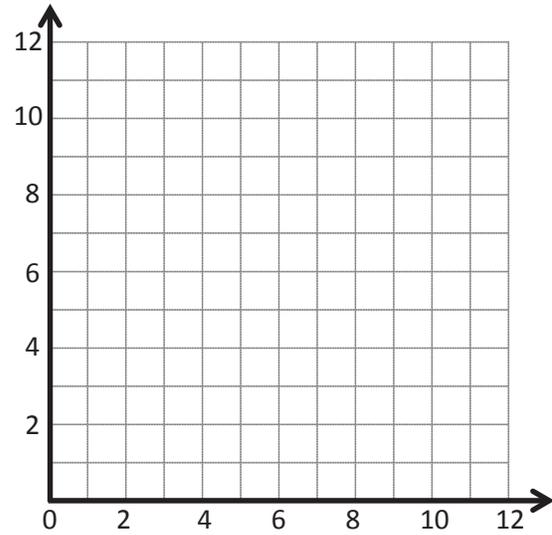
Name _____

Date _____

Complete this table with values for y such that each y -coordinate is 5 more than 2 times as much as its corresponding x -coordinate.

x	y	(x, y)
0		
2		
3.5		

- Plot each point on the coordinate plane.
- Use a straightedge to draw a line connecting these points.
- Name 2 other points that fall on this line with y -coordinates greater than 25.



Name _____

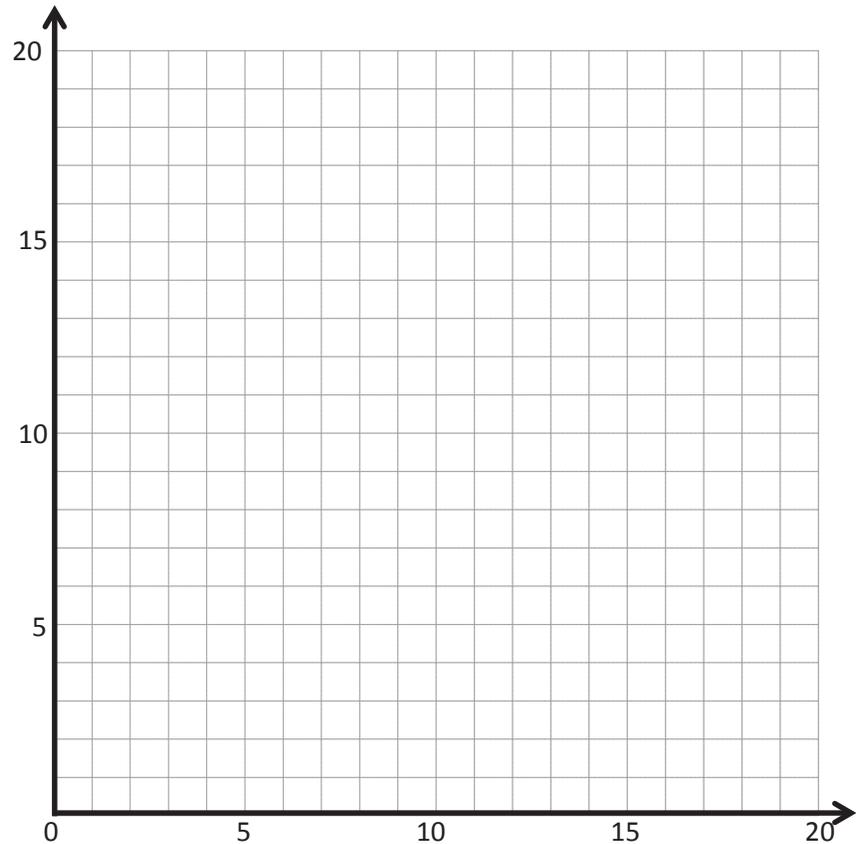
Date _____

Complete the table for the given rules. Then, construct lines ℓ and m on the coordinate plane.Line ℓ Rule: y is 5 more than x

x	y	(x, y)
0		
1		
2		
4		

Line m Rule: y is 5 times as much as x

x	y	(x, y)
0		
1		
2		
4		

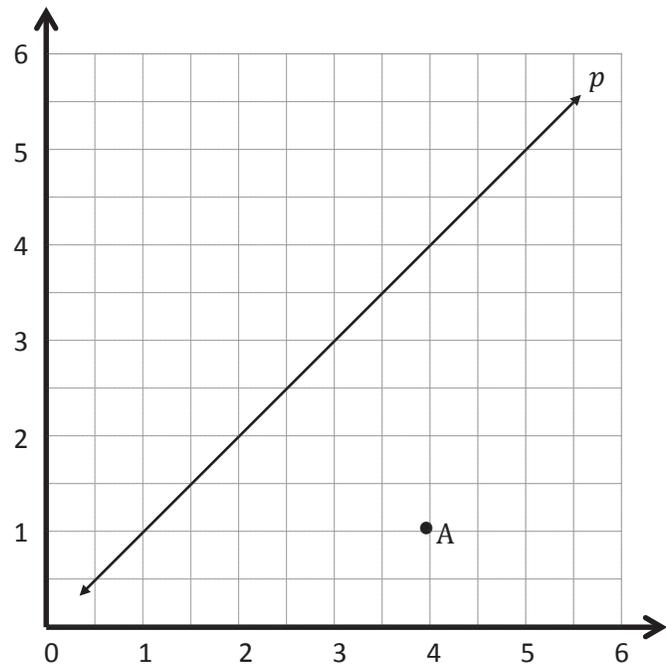


Name _____

Date _____

Use the coordinate plane below to complete the following tasks.

- Line p represents the rule x and y are equal.
- Construct a line, a , that is parallel to line p and contains point A .
- Name 3 points on line a .
- Identify a rule to describe line a .



Name _____

Date _____

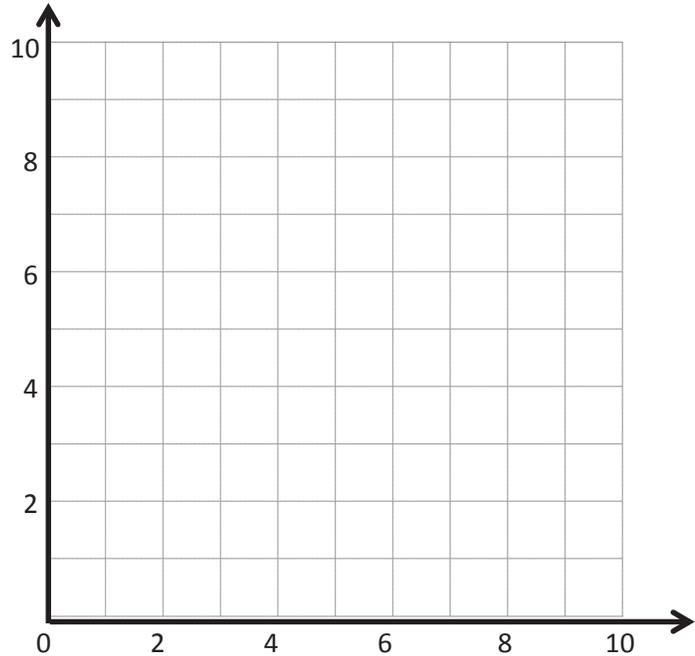
1. Complete the tables for the given rules.

Line ℓ Rule: *Triple x*

x	y	(x, y)
0		
1		
2		
3		

Line m Rule: *Triple x , and then add 1*

x	y	(x, y)
0		
1		
2		
3		



- a. Draw each line on the coordinate plane above.
- b. Compare and contrast these lines.
2. Circle the point(s) that the line for the rule *multiply x by $\frac{1}{3}$, and then add 1* would contain.

$(0, \frac{1}{2})$

$(1, 1\frac{1}{3})$

$(2, 1\frac{2}{3})$

$(3, 2\frac{1}{2})$

Name _____

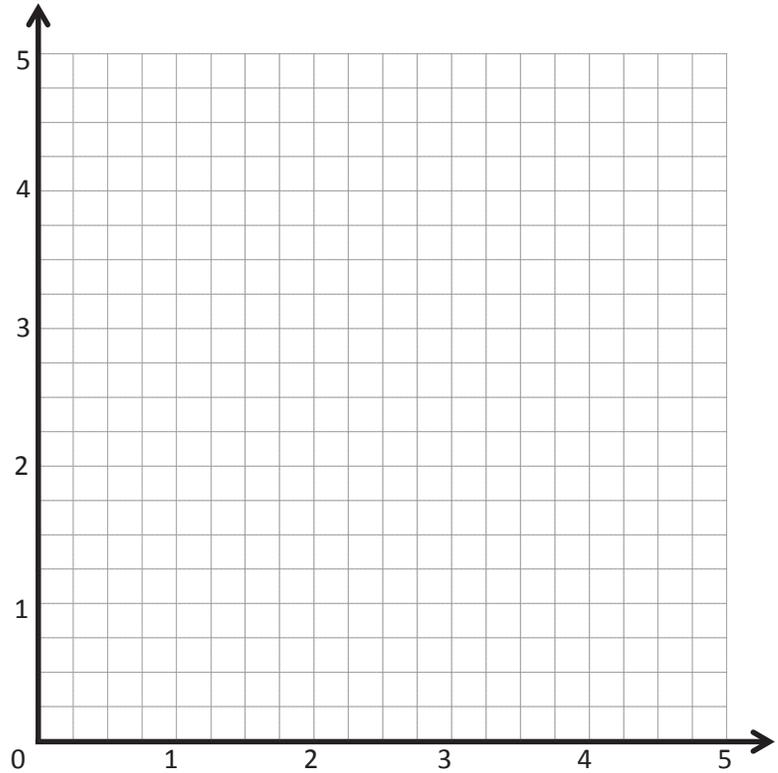
Date _____

Write the rule for the line that contains the points $(0, 1\frac{1}{2})$ and $(1\frac{1}{2}, 3)$.

- a. Identify 2 more points on this line.
Draw the line on the grid.

Point	x	y	(x, y)
B			
C			

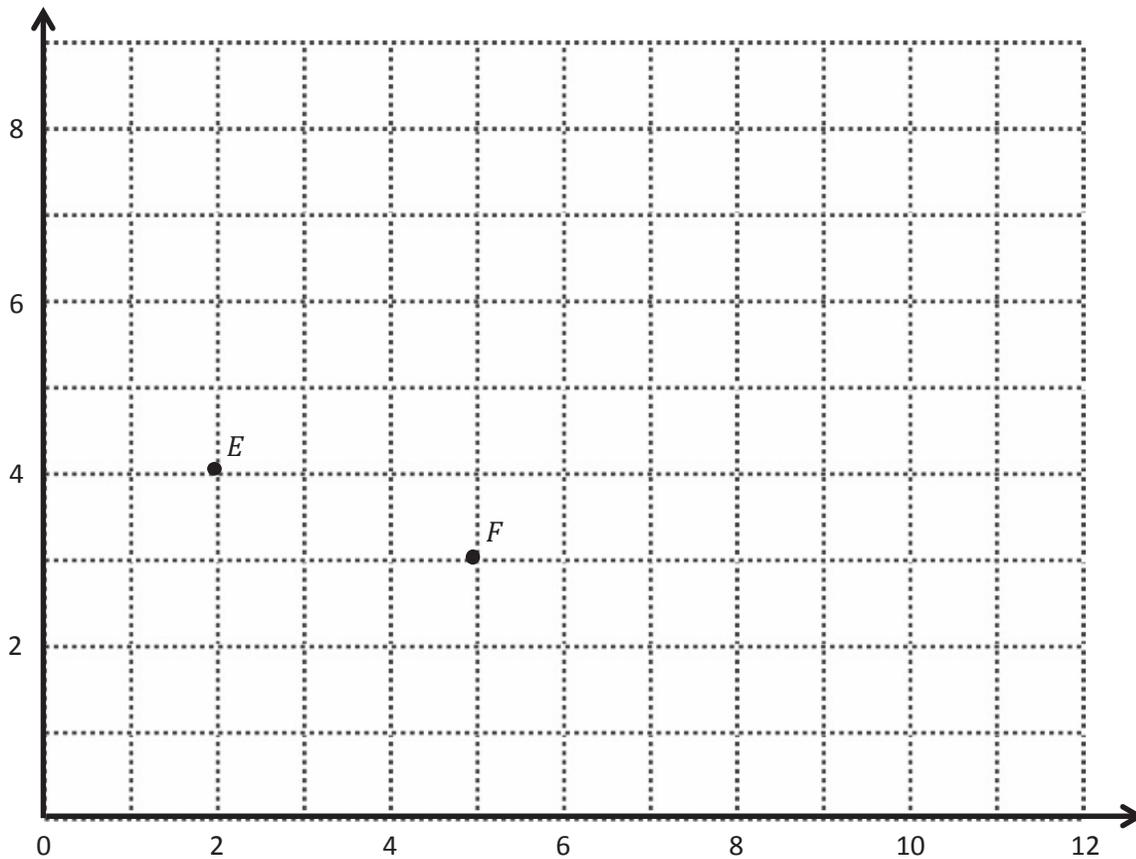
- b. Write a rule for a line that is parallel to \overrightarrow{BC} and goes through point $(1, \frac{1}{2})$.



Name _____

Date _____

Use the coordinate plane below to complete the following tasks.

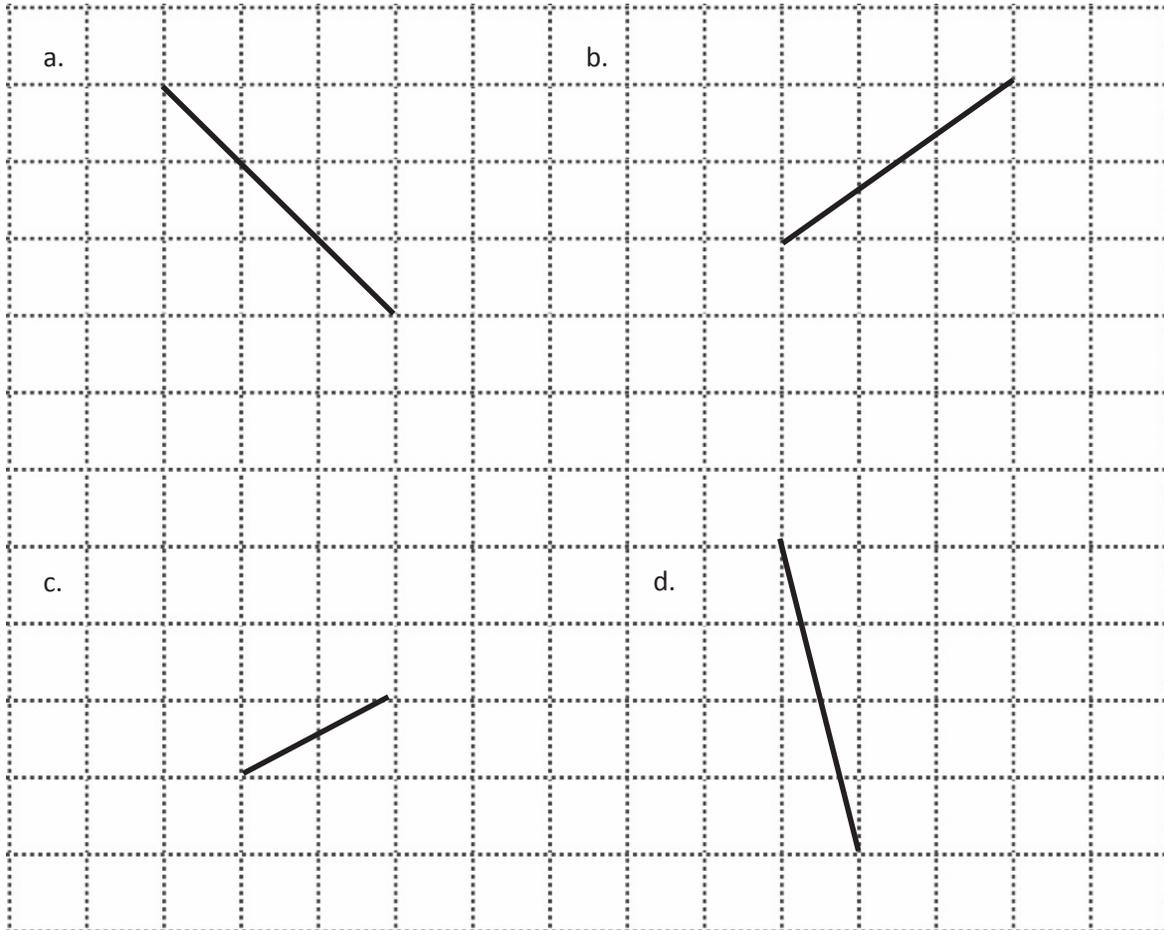


- Identify the locations of E and F . E : (____, ____) F : (____, ____)
- Draw \overleftrightarrow{EF} .
- Generate coordinate pairs for L and M , such that $\overleftrightarrow{EF} \parallel \overleftrightarrow{LM}$.
 L : (____, ____) M : (____, ____)
- Draw \overleftrightarrow{LM} .

Name _____

Date _____

Draw a segment perpendicular to each given segment. Show your thinking by sketching triangles as needed.

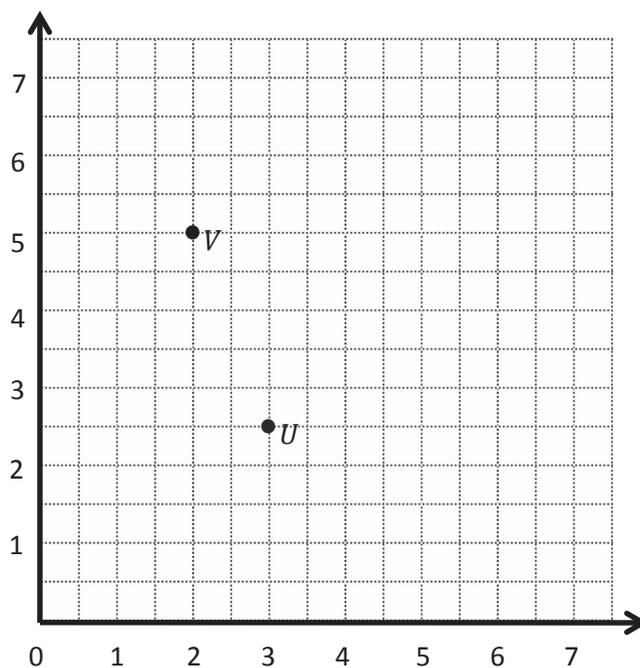


Name _____

Date _____

Use the coordinate plane below to complete the following tasks.

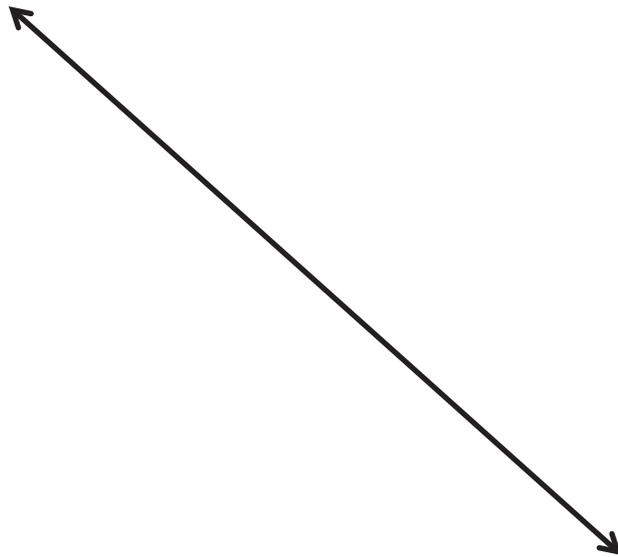
- Draw \overline{UV} .
- Plot point $W \left(4\frac{1}{2}, 6\right)$.
- Draw \overline{VW} .
- Explain how you know that $\angle UVW$ is a right angle without measuring it.



Name _____

Date _____

1. Draw 2 points on one side of the line below, and label them T and U .
2. Use your set square and ruler to draw symmetrical points about your line that correspond to T and U , and label them V and W .



Name _____

Date _____

Kenny plotted the following pairs of points and said they made a symmetric figure about a line with the rule:

y is always 4.

(3, 2) and (3, 6)

(4, 3) and (5, 5)

$(5, \frac{3}{4})$ and $(5, 7\frac{1}{4})$

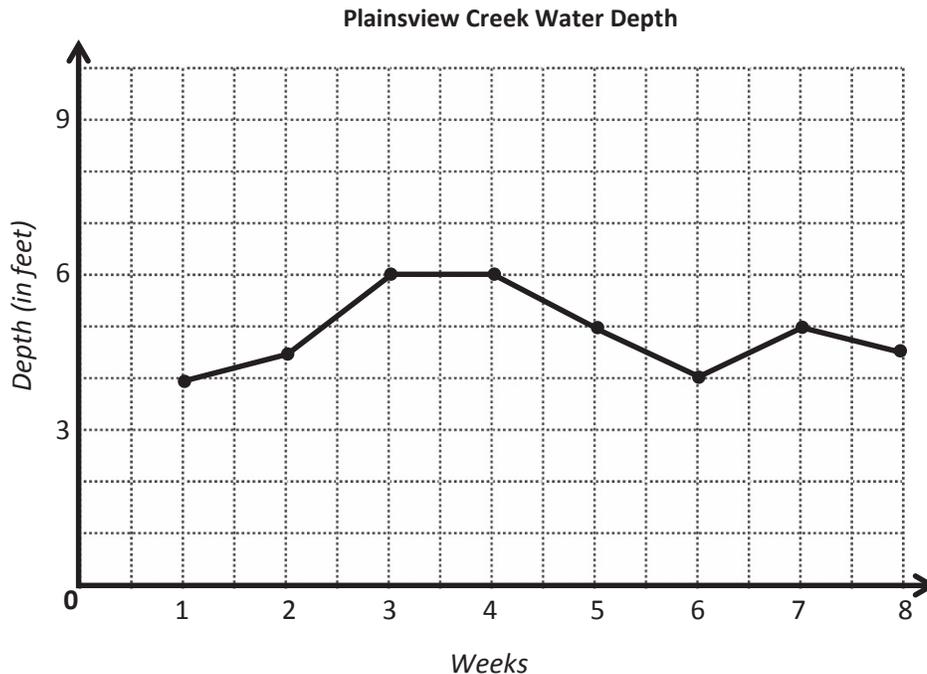
$(7, 1\frac{1}{2})$ and $(7, 6\frac{1}{2})$

Is his figure symmetrical about the line? How do you know?

Name _____

Date _____

The line graph below tracks the water level of Plainsview Creek, measured each Sunday, for 8 weeks. Use the information in the graph to answer the questions that follow.



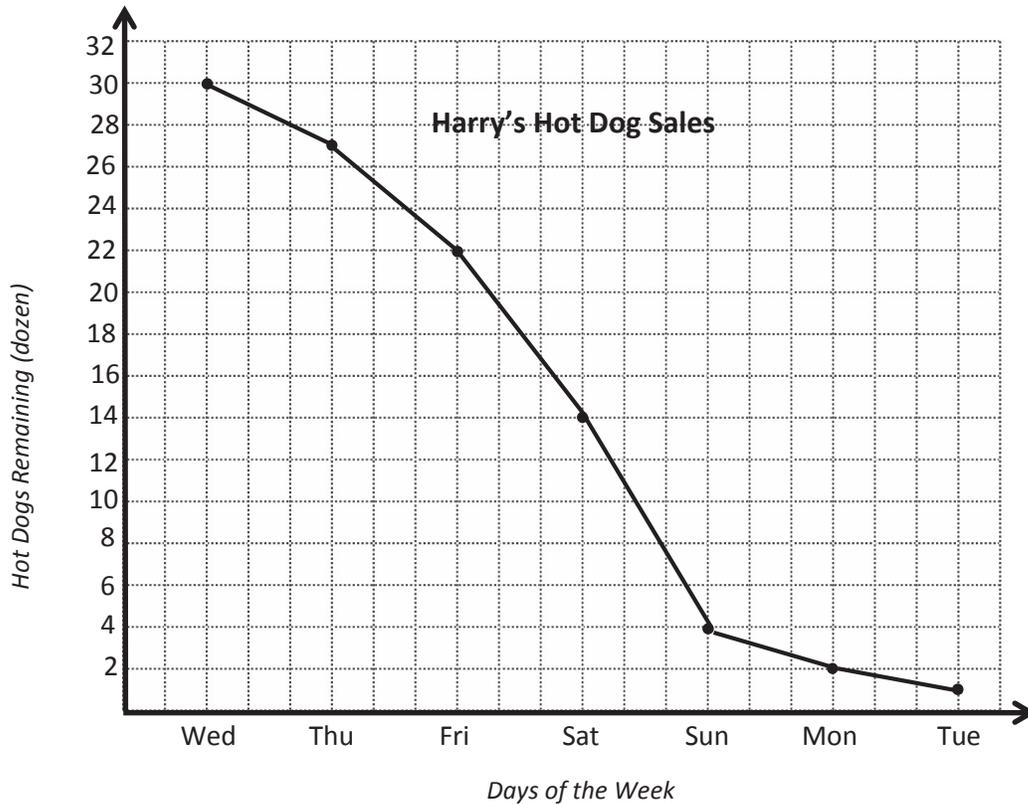
- About how many feet deep was the creek in Week 1? _____
- According to the graph, which week had the greatest change in water depth? _____
- It rained hard throughout the sixth week. During what other weeks might it have rained? Explain why you think so.
- What might have been another cause leading to an increase in the depth of the creek?

Name _____

Date _____

Use the following information to complete the line graph below. Then, answer the questions that follow.

Harry runs a hot dog stand at the county fair. When he arrived on Wednesday, he had 38 dozen hot dogs for his stand. The graph shows the number of hot dogs (in dozens) that remained unsold at the end of each day of sales.



- How many dozen hot dogs did Harry sell on Wednesday? How do you know?
- Between which two-day period did the number of hot dogs sold change the most? Explain how you determined your answer.
- During which three days did Harry sell the most hot dogs?
- How many dozen hot dogs were sold on these three days?

Name _____

Date _____

How did the games we played today prepare you to practice writing, solving, and comparing expressions this summer? Why do you think these are important skills to work on over the summer? Will you teach someone at home how to play these games with you? What math skills will you need to teach in order for someone at home to be able to play with you?

Name _____

Date _____

How did teaching other students how to solve a word problem strengthen your skills as a problem solver? What did you learn about your problem-solving skills? What are your strengths and weaknesses as a problem solver?

Name _____

Date _____

What math skills have you improved through our Fluency Practice this year? How do you know you've improved? What math skills do you need to continue to practice this summer? Why?

Name _____

Date _____

It is said that the true measure of knowing something is being able to teach it to someone else. Who can you teach these terms to this summer? How will you teach these terms to your summer student?

Name _____

Date _____

Playing math games can be a fun way to practice math skills. How will you use the games to retain these terms over the summer? Who will play with you? How can you change the games to play alone? How often will you play the games?

Name _____

Date _____

Today, when we saw a video on the Fibonacci sequence in the spiral and in nature, it may have felt a bit like “math magic.” Have you ever felt math magic in your elementary school years? If so, when did you experience it? If not, did you experience it today? Explain.

Name _____

Date _____

Today, we watched how savings can grow over time, but we did not discuss how the money saved was earned. Have you ever thought about how math skills might help you to earn money? If so, what are some jobs that might require strong math skills? If not, think about it now. How might you make a living using math skills?

Name _____

Date _____

Today, you made a box for a special purpose. It shows one way that math is used all the time to create containers. When might there be other opportunities for you to use the math you have learned in elementary school?

Name _____

Date _____

What are you most looking forward to learning about in Grade 6 or in math in your future?

Assessment Packet

Name _____

Date _____

1. Give the coordinates of each point.

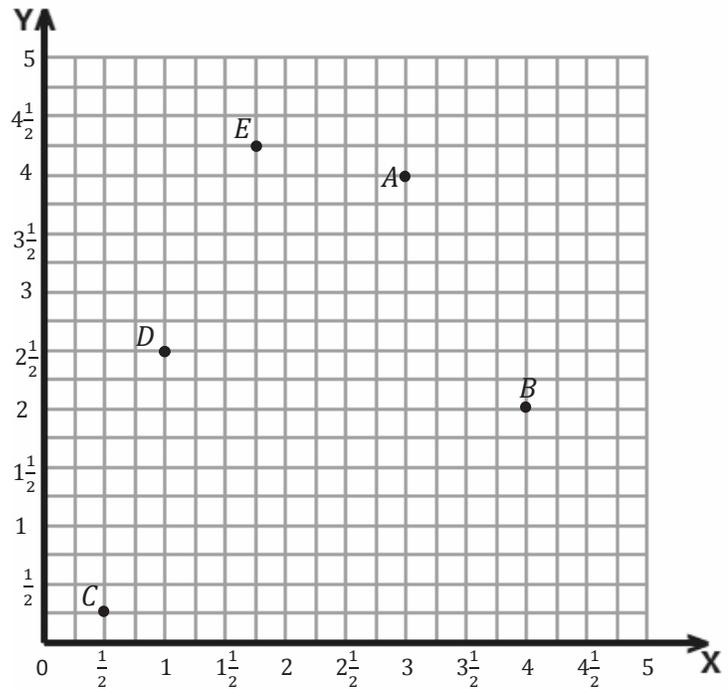
A _____

B _____

C _____

D _____

E _____



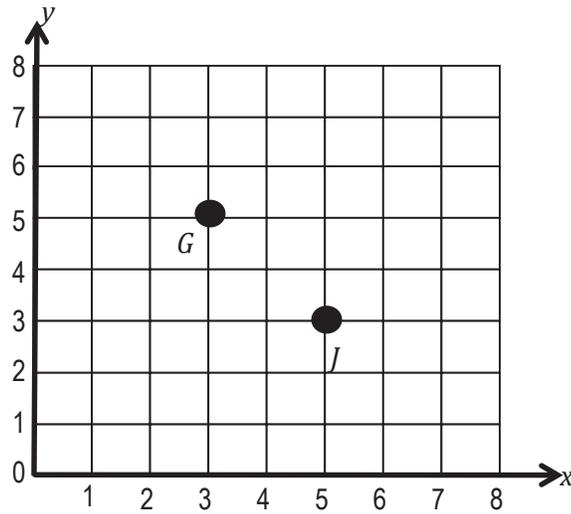
2. Plot each point in the coordinate plane above, and label each point with F , G , or H .

 $F(0, 4)$ $G(2, 1)$ $H(4\frac{3}{4}, 3\frac{3}{4})$

- 3.

- Give coordinates for any three points that are on the same vertical line. Include at least one point that has a mixed number as a coordinate.
- Give coordinates for any three points that are on the same horizontal line. Include at least one point that has a fraction as a coordinate.

4. Garrett and Jeffrey are planning a treasure hunt. They decide to place a treasure at a point that is a distance of 5 units from the x -axis and 3 units from the y -axis. Jeffrey places a treasure at point J , and Garrett places one at point G . Who put the treasure in the right place? Explain how you know.



- 5.
- a. Find the y -coordinates by following the rules given for each table.

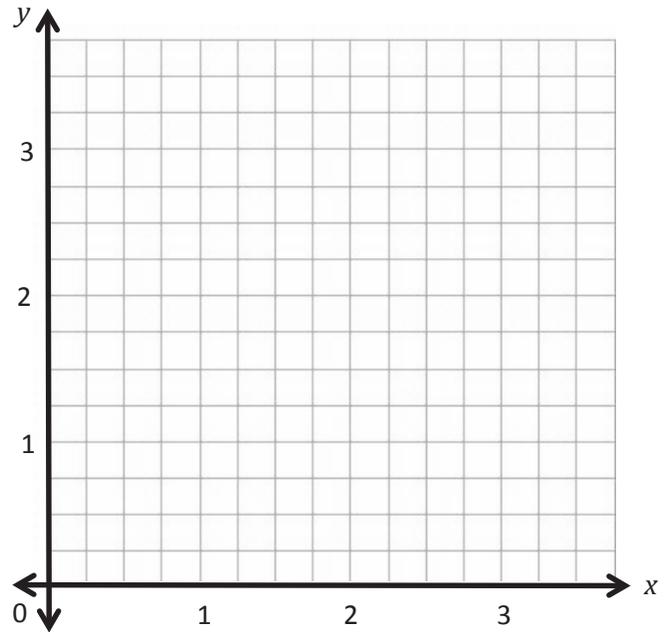
Table A: Multiply by $\frac{1}{2}$.

x	y
0	
1	
2	
3	

Table B: Multiply by $\frac{1}{4}$.

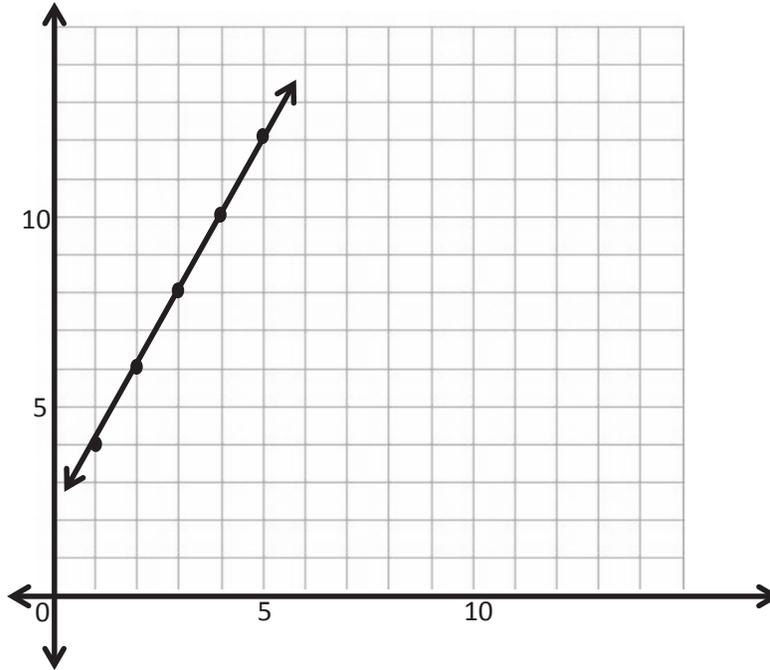
x	y
0	
1	
2	
3	

- b. Graph and label the coordinate pairs from Table A. Connect the points, and label the line a . Graph and label the coordinate pairs from Table B. Connect the points, and label the line b .
- c. Describe the relationship between the y -coordinates in Table A and Table B that have the same x -coordinate.



6.

- a. Use the graph to give the coordinate pairs of the points marked on the line.



x	y

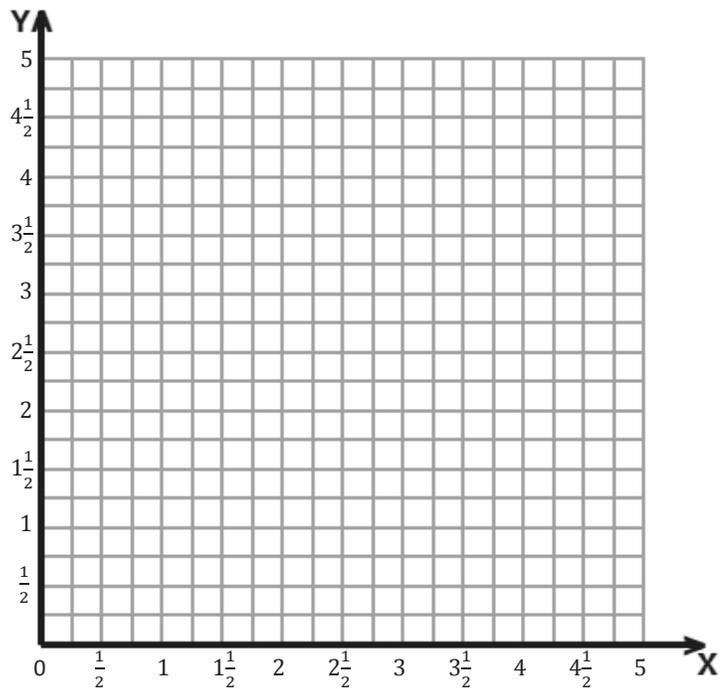
- b. Using this rule, generate three more points that would be on this line but lie beyond the portion of the coordinate plane that is pictured.

Name _____

Date _____

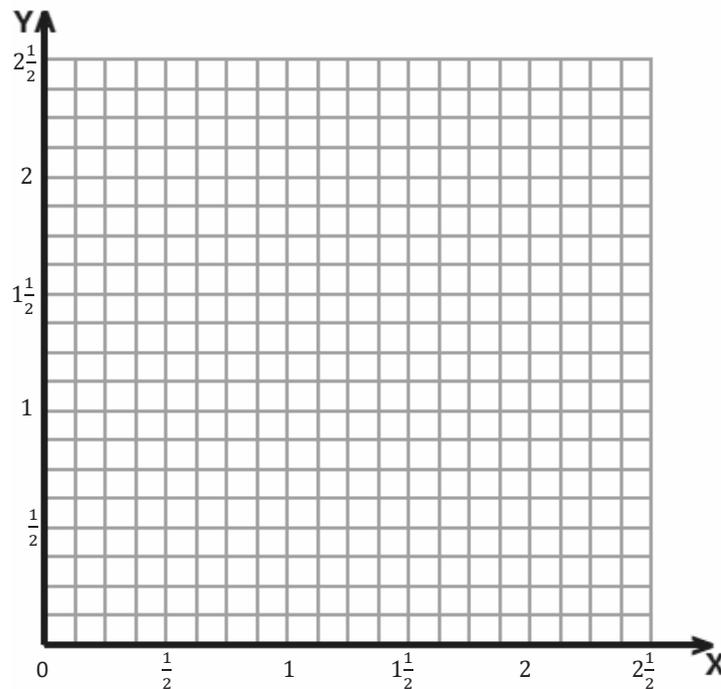
1. Follow the directions.

- Draw a ray that starts at point L at $(1\frac{1}{2}, 3)$ and includes point K at $(5, 3)$. Label points K and L .
- Give the coordinates of three other points on the ray.
- Draw a second ray with the same initial point and containing point M with coordinates $(3\frac{1}{2}, 4\frac{1}{4})$. Label point M .

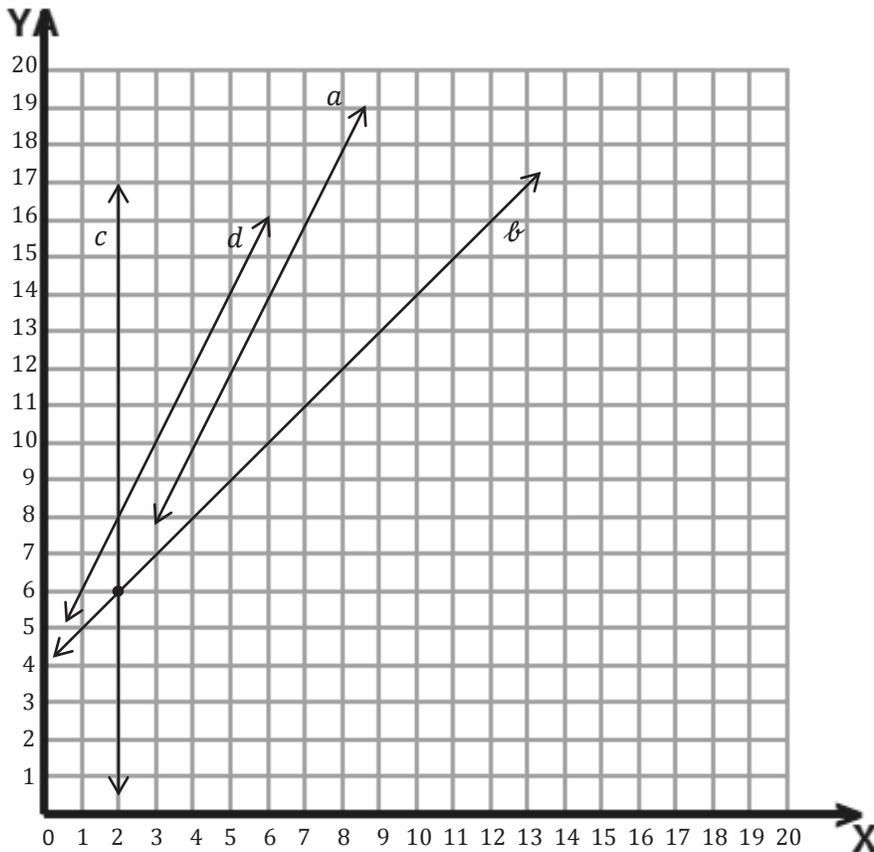


2. David draws a line segment from point Q $(\frac{1}{4}, \frac{7}{8})$ to point R $(\frac{5}{8}, \frac{1}{2})$. He then draws a line perpendicular to the first segment that intersects segment \overline{QR} and includes point S $(\frac{3}{4}, 1)$.

- Draw \overline{QR} , and label the endpoints on the grid.
- Draw the perpendicular line, and label point S .
- Name another point that lies on the perpendicular line whose x -coordinate is between 1 and $1\frac{1}{2}$.



3. Complete the table for the rule *multiply by 2 and then add 2* for the values of x from 0 to 4. Then, use the coordinate plane to answer the questions.



x	y	(x, y)
0		
1		
2		
3		
4		

- Which line shows the rule in the table?
- Give the coordinates for the intersection of lines b and c .
- Draw a line on the graph such that any point on the line has a y -coordinate of 2. Label your line as e .
- Which coordinate is 2 for any point on line c ?

- e. Write a rule that tells how to find the y -coordinate when the x -coordinate is given for the points on line b .
- f. Kim and Lacy want to draw a line on the coordinate plane that is parallel to line a . Kim uses the rule *multiply by 4 and add 2* to generate her y -coordinates. Lacy uses the rule *multiply by 2 and add 4* to generate her y -coordinates. Which girl's line will be parallel to line a ? Without graphing the lines, explain how you know.

4. An airplane is descending into an airport. When its altitude is 5 miles, it is 275 miles from the airport. When its altitude is 4 miles, it is 200 miles from the airport. At 3 miles, it is 125 miles from the airport.

- a. If the pilot follows the same pattern, what will the plane's altitude be at 50 miles from the airport?
- b. For the plane to land at the airport, the altitude will need to be 0, and the distance from the airport will need to be 0. Should the pilot continue this pattern? Why or why not?

