



Answer Key

# GRADE 5 • MODULE 3

Addition and Subtraction of Fractions

## Lesson 1

### Sprint

#### Side A

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

#### Side B

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

### Problem Set

- Number line marked 0 and 1 on top and  $\frac{0}{2}, \frac{1}{2}, \frac{2}{2}$  on the bottom;  $\frac{2}{4}$  shaded;  $\frac{3}{6}$  shaded,  $\frac{1}{2} = \frac{1 \times 3}{2 \times 3} = \frac{3}{6}$ ;  $\frac{4}{8}$  shaded,  $\frac{1}{2} = \frac{1 \times 4}{2 \times 4} = \frac{4}{8}$ ;  $\frac{5}{10}$  shaded,  $\frac{1}{2} = \frac{1 \times 5}{2 \times 5} = \frac{5}{10}$
- Number line marked 0 and 1 on top and  $\frac{0}{3}, \frac{1}{3}, \frac{2}{3}, \frac{3}{3}$  on the bottom;  $\frac{2}{6}$  shaded,  $\frac{1}{3} = \frac{1 \times 2}{3 \times 2} = \frac{2}{6}$ ;  $\frac{3}{9}$  shaded,  $\frac{1}{3} = \frac{1 \times 3}{3 \times 3} = \frac{3}{9}$ ;  $\frac{4}{12}$  shaded,  $\frac{1}{3} = \frac{1 \times 4}{3 \times 4} = \frac{4}{12}$ ;  $\frac{5}{15}$  shaded,  $\frac{1}{3} = \frac{1 \times 5}{3 \times 5} = \frac{5}{15}$
- Number line marked 0 and 1 on top and  $\frac{0}{4}, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}$  on the bottom;  $\frac{6}{8}$  shaded,  $\frac{3}{4} = \frac{3 \times 2}{4 \times 2} = \frac{6}{8}$ ;  $\frac{9}{12}$  shaded,  $\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ ;  $\frac{12}{16}$  shaded,  $\frac{3}{4} = \frac{3 \times 4}{4 \times 4} = \frac{12}{16}$ ;  $\frac{15}{20}$  shaded,  $\frac{3}{4} = \frac{3 \times 5}{4 \times 5} = \frac{15}{20}$
- Number line marked 0 and 1 on top and  $\frac{0}{5}, \frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{5}{5}, \frac{6}{5}, \frac{7}{5}$  on the bottom; examples may vary.

### Exit Ticket

Number line marked 0 and 1 on top and  $\frac{0}{6}, \frac{1}{6}, \frac{2}{6}, \frac{3}{6}, \frac{4}{6}, \frac{5}{6}, \frac{6}{6}$  on the bottom;  $\frac{2}{12}$  shaded;  $\frac{3}{18}$  shaded,  $\frac{1}{6} = \frac{1 \times 3}{6 \times 3} = \frac{3}{18}$ ;  $\frac{4}{24}$  shaded,  $\frac{1}{6} = \frac{1 \times 4}{6 \times 4} = \frac{4}{24}$

### Homework

- Number line marked 0 and 1 on top and  $\frac{0}{3}, \frac{1}{3}, \frac{2}{3}, \frac{3}{3}$  on the bottom;  $\frac{2}{6}$  shaded;  $\frac{3}{9}$  shaded,  $\frac{1}{3} = \frac{1 \times 3}{3 \times 3} = \frac{3}{9}$ ;  $\frac{4}{12}$  shaded,  $\frac{1}{3} = \frac{1 \times 4}{3 \times 4} = \frac{4}{12}$ ;  $\frac{5}{15}$  shaded,  $\frac{1}{3} = \frac{1 \times 5}{3 \times 5} = \frac{5}{15}$
- Number line marked 0 and 1 on top and  $\frac{0}{4}, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}, \frac{4}{4}$  on the bottom;  $\frac{2}{8}$  shaded,  $\frac{1}{4} = \frac{1 \times 2}{4 \times 2} = \frac{2}{8}$ ;  $\frac{3}{12}$  shaded,  $\frac{1}{4} = \frac{1 \times 3}{4 \times 3} = \frac{3}{12}$ ;  $\frac{4}{16}$  shaded,  $\frac{1}{4} = \frac{1 \times 4}{4 \times 4} = \frac{4}{16}$ ;  $\frac{5}{20}$  shaded,  $\frac{1}{4} = \frac{1 \times 5}{4 \times 5} = \frac{5}{20}$
- Number line marked 0 and 1 on top and  $\frac{0}{5}, \frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}, \frac{5}{5}$  on the bottom;  $\frac{8}{10}$  shaded,  $\frac{4}{5} = \frac{4 \times 2}{5 \times 2} = \frac{8}{10}$ ;  $\frac{12}{15}$  shaded,  $\frac{4}{5} = \frac{4 \times 3}{5 \times 3} = \frac{12}{15}$ ;  $\frac{16}{20}$  shaded,  $\frac{4}{5} = \frac{4 \times 4}{5 \times 4} = \frac{16}{20}$ ;  $\frac{20}{25}$  shaded,  $\frac{4}{5} = \frac{4 \times 5}{5 \times 5} = \frac{20}{25}$
- Number line marked 0 and 1 on top and  $\frac{0}{8}, \frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \frac{4}{8}, \frac{5}{8}, \frac{6}{8}, \frac{7}{8}, \frac{8}{8}$  on the bottom; examples may vary.

## Lesson 2

### Sprint

#### Side A

- |       |        |        |        |
|-------|--------|--------|--------|
| 1. 2  | 12. 12 | 23. 4  | 34. 40 |
| 2. 10 | 13. 12 | 24. 8  | 35. 54 |
| 3. 4  | 14. 1  | 25. 2  | 36. 5  |
| 4. 6  | 15. 3  | 26. 4  | 37. 56 |
| 5. 8  | 16. 5  | 27. 15 | 38. 4  |
| 6. 6  | 17. 2  | 28. 35 | 39. 7  |
| 7. 4  | 18. 4  | 29. 4  | 40. 9  |
| 8. 9  | 19. 1  | 30. 4  | 41. 72 |
| 9. 6  | 20. 2  | 31. 42 | 42. 84 |
| 10. 2 | 21. 4  | 32. 8  | 43. 5  |
| 11. 6 | 22. 3  | 33. 9  | 44. 6  |

#### Side B

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

**Problem Set**

- $\frac{3}{5}$ ; number line drawn
  - $\frac{3}{3}$ ; number line drawn
  - $\frac{9}{10}$ ; number line drawn
  - $1\frac{3}{4}$ ; number line drawn
- Answers will vary, number line drawn
  - Answers will vary.
  - Answers will vary.
  - Answers will vary.
- $1\frac{2}{7}$
  - $4\frac{1}{2}$
  - $4\frac{4}{7}$ ; number line drawn
  - $2\frac{6}{9}$ ; number line drawn
- $2\frac{4}{8}$  yd or  $2\frac{1}{2}$  yd; number line drawn

**Exit Ticket**

- $\frac{7}{5}$ ; number line drawn
  - $\frac{8}{3}$ ; number line drawn
- Answers will vary.
  - Answers will vary; number line drawn

**Homework**

- $\frac{5}{9}$ ; number line drawn
  - $\frac{4}{4}$ ; number line drawn
  - $\frac{6}{7}$ ; number line drawn
  - $\frac{8}{5}$ ; number line drawn
- Answers will vary; number line drawn
  - Answers will vary.
  - Answers will vary.
  - Answers will vary.
- $1\frac{4}{5}$
  - $3\frac{1}{2}$
  - $3\frac{4}{7}$ ; number line drawn
  - $2\frac{3}{9}$  or  $2\frac{1}{3}$ ; number line drawn
- $4\frac{5}{10}$  or  $4\frac{1}{2}$ ; number line drawn

## Lesson 3

### Sprint

#### Side A

- |       |        |        |        |
|-------|--------|--------|--------|
| 1. 2  | 12. 12 | 23. 4  | 34. 40 |
| 2. 10 | 13. 12 | 24. 8  | 35. 54 |
| 3. 4  | 14. 1  | 25. 2  | 36. 5  |
| 4. 6  | 15. 3  | 26. 4  | 37. 56 |
| 5. 8  | 16. 5  | 27. 15 | 38. 4  |
| 6. 6  | 17. 2  | 28. 35 | 39. 7  |
| 7. 4  | 18. 4  | 29. 4  | 40. 9  |
| 8. 9  | 19. 1  | 30. 4  | 41. 72 |
| 9. 6  | 20. 2  | 31. 42 | 42. 84 |
| 10. 2 | 21. 4  | 32. 8  | 43. 5  |
| 11. 6 | 22. 3  | 33. 9  | 44. 6  |

#### Side B

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

**Problem Set**

1.
  - a. Accurate picture drawn;  $\frac{5}{6}$
  - b. Accurate picture drawn;  $\frac{8}{15}$
  - c. Accurate picture drawn;  $\frac{7}{12}$
  - d. Accurate picture drawn;  $\frac{10}{21}$
  - e. Accurate picture drawn;  $\frac{19}{20}$
  - f. Accurate picture drawn;  $\frac{20}{21}$
2.  $\frac{1}{2}$  yd
3.  $\frac{11}{12}$  qt
4.  $\frac{13}{20}$ ;  $\frac{7}{20}$

**Exit Ticket**

1. Accurate picture drawn;  $\frac{7}{10}$
2.  $\frac{13}{20}$  hr; 39 min

**Homework**

1.
  - a. Accurate picture drawn;  $\frac{7}{12}$
  - b. Accurate picture drawn;  $\frac{9}{20}$
  - c. Accurate picture drawn;  $\frac{5}{12}$
  - d. Accurate picture drawn;  $\frac{14}{45}$
  - e. Accurate picture drawn;  $\frac{13}{20}$
  - f. Accurate picture drawn;  $1\frac{1}{35}$
2.  $\frac{22}{24}$  or  $\frac{11}{12}$  mi
3.  $\frac{19}{24}$ ;  $\frac{5}{24}$
4.  $\frac{17}{30}$ ;  $\frac{13}{30}$

## Lesson 4

### Problem Set

- Accurate picture drawn;  $1\frac{1}{6}$
  - Accurate picture drawn;  $1\frac{5}{12}$
  - Accurate picture drawn;  $1\frac{1}{10}$
  - Accurate picture drawn;  $1\frac{3}{14}$
  - Accurate picture drawn;  $1\frac{7}{12}$
  - Accurate picture drawn;  $1\frac{2}{21}$
- $1\frac{3}{20}$  lb
- $1\frac{9}{20}$  hr;  $\frac{11}{20}$  hr

### Exit Ticket

- Accurate picture drawn;  $1\frac{1}{12}$
- $1\frac{11}{20}$  L

### Homework

- Accurate picture drawn;  $1\frac{1}{12}$
  - Accurate picture drawn;  $1\frac{5}{12}$
  - Accurate picture drawn;  $\frac{14}{15}$
  - Accurate picture drawn;  $1\frac{1}{3}$
  - Accurate picture drawn;  $1\frac{1}{2}$
  - Accurate picture drawn;  $1\frac{19}{21}$
- $1\frac{5}{12}$  L
- $1\frac{3}{8}$



## Lesson 5

### Sprint

#### Side A

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

#### Side B

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

**Problem Set**

1.
  - a. Accurate picture drawn;  $\frac{1}{12}$
  - b. Accurate picture drawn;  $\frac{1}{6}$
  - c. Accurate picture drawn;  $\frac{7}{12}$
  - d. Accurate picture drawn;  $\frac{11}{21}$
  - e. Accurate picture drawn;  $\frac{3}{8}$
  - f. Accurate picture drawn;  $\frac{13}{28}$
2.  $\frac{7}{15}$  L
3. Answers will vary.

**Exit Ticket**

1. Accurate picture drawn;  $\frac{5}{14}$
2. Accurate picture drawn;  $\frac{1}{10}$

**Homework**

1. Pictures will vary;  $\frac{5}{12}$
2.
  - a. Accurate picture drawn;  $\frac{1}{2}$
  - b. Accurate picture drawn;  $\frac{1}{6}$
  - c. Accurate picture drawn;  $\frac{7}{12}$
  - d. Accurate picture drawn;  $\frac{3}{10}$
  - e. Accurate picture drawn;  $\frac{4}{15}$
  - f. Accurate picture drawn;  $\frac{1}{21}$
3.  $\frac{5}{8}$  lb
4. No;  $\frac{6}{35}$  kg

## Lesson 6

### Problem Set

- Accurate picture drawn;  $\frac{11}{12}$
  - Accurate picture drawn;  $\frac{13}{15}$
  - Accurate picture drawn;  $\frac{7}{8}$
  - Accurate picture drawn;  $\frac{9}{10}$
  - Accurate picture drawn;  $\frac{20}{21}$
  - Accurate picture drawn;  $1\frac{1}{15}$
- $\frac{5}{12}$  hr; 25 min
- Yes; answers will vary.

### Exit Ticket

- Accurate picture drawn;  $\frac{7}{10}$
- Accurate picture drawn;  $\frac{1}{2}$

### Homework

- Accurate picture drawn;  $\frac{1}{6}$
  - Accurate picture drawn;  $\frac{2}{3}$
  - Accurate picture drawn;  $\frac{13}{21}$
  - Accurate picture drawn;  $\frac{21}{40}$
  - Accurate picture drawn;  $\frac{13}{20}$
  - Accurate picture drawn;  $\frac{23}{24}$
  - Accurate picture drawn;  $\frac{15}{28}$
  - Accurate picture drawn;  $\frac{7}{12}$
- $\frac{7}{8}$  m
- $\frac{17}{24}$  kg

## Lesson 7

### Sprint

#### Side A

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

#### Side B

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

**Problem Set**

1.  $\frac{2}{15}$
2.  $\frac{1}{24}$
3.  $\frac{9}{15}$  oz
4. Jim;  $\frac{1}{12}$  gal
5.  $\frac{1}{8}$

**Exit Ticket**

Mr. Pham;  $\frac{13}{28}$

**Homework**

1.  $\frac{1}{2}$
2.  $\frac{2}{21}$
3.  $\frac{7}{10}$
4.  $\frac{1}{4}$
5.  $1\frac{1}{15}$  m

## Lesson 8

### Problem Set

- $3\frac{1}{5}$
  - $\frac{5}{8}$
  - 8
  - $1\frac{5}{7}$
  - $17\frac{3}{4}$
  - $1\frac{1}{3}$
  - $32\frac{2}{3}$
  - $79\frac{1}{8}$
- $6\frac{2}{3}$  min
  - $6\frac{1}{2}$  hr
  - Answers will vary.

### Exit Ticket

- $6\frac{7}{8}$
  - $1\frac{1}{4}$
  - $11\frac{3}{8}$
  - $1\frac{4}{7}$

### Homework

- $4\frac{1}{4}$
  - $\frac{3}{8}$
  - 8
  - $1\frac{2}{7}$
  - $15\frac{4}{5}$
  - $2\frac{1}{4}$
  - $34\frac{5}{6}$
  - $49\frac{5}{8}$
- $5\frac{3}{8}$  m
  - $5\frac{1}{2}$  mi
  - Answers will vary.

## Lesson 9

### Sprint

#### Side A

- |            |             |             |            |
|------------|-------------|-------------|------------|
| 1. $2/5$   | 12. $4/4$   | 23. $3/9$   | 34. $9/12$ |
| 2. $6/10$  | 13. $2/12$  | 24. $5/9$   | 35. $6/8$  |
| 3. $8/10$  | 14. $2/3$   | 25. $0/9$   | 36. $5/12$ |
| 4. $4/5$   | 15. $1/12$  | 26. $4/4$   | 37. $4/5$  |
| 5. $1/10$  | 16. $11/12$ | 27. $6/8$   | 38. $4/5$  |
| 6. $2/5$   | 17. $11/12$ | 28. $11/12$ | 39. $3/6$  |
| 7. $6/10$  | 18. $3/6$   | 29. $7/9$   | 40. $2/12$ |
| 8. $3/5$   | 19. $3/6$   | 30. $3/10$  | 41. $5/15$ |
| 9. $2/4$   | 20. $3/6$   | 31. $1/5$   | 42. $4/15$ |
| 10. $3/4$  | 21. $3/3$   | 32. $3/6$   | 43. $9/15$ |
| 11. $1/12$ | 22. $3/12$  | 33. $7/12$  | 44. $6/15$ |

#### Side B

- |            |            |             |            |
|------------|------------|-------------|------------|
| 1. $2/2$   | 12. $3/3$  | 23. $9/12$  | 34. $3/3$  |
| 2. $3/8$   | 13. $2/9$  | 24. $10/12$ | 35. $3/4$  |
| 3. $5/8$   | 14. $2/9$  | 25. $0/12$  | 36. $5/12$ |
| 4. $1/12$  | 15. $4/9$  | 26. $7/10$  | 37. $3/5$  |
| 5. $7/12$  | 16. $4/12$ | 27. $8/10$  | 38. $0/5$  |
| 6. $7/8$   | 17. $1/12$ | 28. $6/6$   | 39. $4/12$ |
| 7. $1/8$   | 18. $3/12$ | 29. $9/12$  | 40. $8/8$  |
| 8. $6/8$   | 19. $2/10$ | 30. $10/10$ | 41. $6/8$  |
| 9. $2/4$   | 20. $6/8$  | 31. $6/10$  | 42. $1/10$ |
| 10. $0/6$  | 21. $3/10$ | 32. $2/6$   | 43. $9/10$ |
| 11. $6/98$ | 22. $1/10$ | 33. $1/12$  | 44. $4/12$ |

**Problem Set**

- $\frac{25}{28}$
  - $1\frac{3}{8}$
  - $\frac{45}{56}$
  - $1\frac{1}{63}$
  - $\frac{13}{15}$
  - $1\frac{7}{12}$
  - $\frac{25}{33}$
  - $1\frac{17}{20}$
- Answers will vary.
- $1\frac{5}{8}$  gal
- $1\frac{13}{20}$  kg;  $\frac{17}{20}$  kg

**Exit Ticket**

- $\frac{22}{24}$  or  $\frac{11}{12}$
- $1\frac{9}{10}$

**Homework**

- $\frac{14}{15}$
  - $\frac{38}{55}$
  - $1\frac{1}{18}$
  - $\frac{3}{4}$
  - $1\frac{11}{15}$
  - $1\frac{5}{24}$
  - $2\frac{1}{12}$  or  $\frac{25}{12}$
  - $2\frac{1}{12}$
- $1\frac{5}{12}$
- $2\frac{17}{20}$  kg
- $\frac{9}{40}$



## Lesson 10

### Sprint

#### Side A

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

#### Side B

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

**Problem Set**

- $3\frac{9}{20}$
  - $4\frac{3}{20}$
  - $3\frac{8}{15}$
  - $6\frac{1}{15}$
  - $8\frac{1}{21}$
  - $8\frac{11}{21}$
  - $18\frac{33}{40}$
  - $21\frac{1}{40}$
- $8\frac{1}{4}$  mi
- $6\frac{1}{12}$  gal
- No; answers will vary.

**Exit Ticket**

- $4\frac{5}{6}$
- $8\frac{13}{28}$

**Homework**

- $3\frac{7}{10}$
  - $4\frac{1}{10}$
  - $4\frac{8}{15}$
  - $5\frac{4}{15}$
  - $6\frac{19}{21}$
  - $8\frac{8}{21}$
  - $19\frac{23}{40}$
  - $20\frac{31}{40}$
- $8\frac{1}{2}$  hr
- $6\frac{1}{12}$  m
- Answers will vary.

## Lesson 11

### Problem Set

- $\frac{1}{6}$
  - $\frac{11}{30}$
  - $\frac{1}{8}$
  - $1\frac{1}{40}$
  - $1\frac{2}{15}$
  - $1\frac{2}{15}$
  - $3\frac{4}{21}$
  - Number lines drawn
- 24 shown as denominator; answers will vary.
- $\frac{11}{12}$  L;  $\frac{1}{4}$  L
- $2\frac{1}{14}$  kg

### Exit Ticket

- $\frac{9}{20}$
- $2\frac{1}{6}$

### Homework

- $\frac{3}{10}$
  - $\frac{13}{24}$
  - $\frac{1}{10}$
  - $1\frac{1}{6}$
  - $1\frac{1}{20}$
  - $2\frac{4}{21}$
  - $10\frac{1}{8}$
  - $12\frac{7}{24}$
- $\frac{14}{24}$  or  $\frac{7}{12}$
- $2\frac{3}{14}$  yd
- $\frac{2}{15}$
- $3\frac{1}{6}$  gal

## Lesson 12

### Sprint

#### Side A

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

#### Side B

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

**Problem Set**

- $\frac{19}{20}$
  - $\frac{13}{20}$
  - $2\frac{13}{15}$
  - $1\frac{11}{15}$
  - $\frac{20}{21}$
  - $6\frac{17}{21}$
  - $11\frac{5}{6}$
  - $14\frac{23}{24}$
- No; number line drawn correctly
- $4\frac{17}{20}$  gal
- $2\frac{7}{12}$  hr

**Exit Ticket**

- $4\frac{1}{6}$
- $2\frac{11}{12}$

**Homework**

- $\frac{11}{12}$
  - $\frac{11}{12}$
  - $1\frac{19}{20}$
  - $1\frac{17}{20}$
  - $\frac{20}{21}$
  - $4\frac{20}{21}$
  - $12\frac{7}{8}$
  - $14\frac{23}{40}$
- Yes; number line drawn correctly
- $4\frac{13}{20}$  gal
- $2\frac{7}{12}$  ft

## Lesson 13

### Problem Set

- Less than 1
  - Greater than 1
  - Less than 1
  - Greater than 1
- Greater than  $\frac{1}{2}$
  - Less than  $\frac{1}{2}$
  - Less than  $\frac{1}{2}$
  - Greater than  $\frac{1}{2}$
- $>$
  - $<$
  - $=$
  - $<$
- No; answers will vary.
- No
- No

### Exit Ticket

- Less than 1
  - Greater than 1
  - Less than  $\frac{1}{2}$
  - Greater than  $\frac{1}{2}$
- $<$

### Homework

- Less than 1
  - Greater than 1
  - Less than 1
  - Less than 1
- Less than  $\frac{1}{2}$
  - Greater than  $\frac{1}{2}$
  - Less than  $\frac{1}{2}$
  - Greater than  $\frac{1}{2}$
- $<$
  - $<$
  - $>$
  - $<$
- No; answers will vary.
- No
- Yes

## Lesson 14

### Sprint

#### Side A

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

#### Side B

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

**Problem Set**

- 5
  - $2\frac{1}{4}$
  - 1
  - 0
- $4\frac{1}{15}$
  - $\frac{3}{40}$
  - 1
  - $58\frac{11}{12}$
  - $3\frac{2}{35}$
  - 4.3
- $31\frac{1}{8}$  lb
- $18\frac{9}{20}$  kg

**Exit Ticket**

- $5\frac{7}{12}$
- $5\frac{1}{30}$

**Homework**

- 3
  - $3\frac{1}{4}$
  - $1\frac{6}{7}$
  - 0
- $4\frac{27}{28}$
  - $2\frac{11}{12}$
  - 1
  - $37\frac{7}{8}$
  - $2\frac{19}{30}$
  - $18\frac{1}{5}$
- $9\frac{1}{6}$  yd
- $3\frac{19}{36}$  lb



## Lesson 15

### Sprint

#### Side A

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

#### Side B

- |                   |                    |                    |                     |
|-------------------|--------------------|--------------------|---------------------|
| 1. $\frac{1}{6}$  | 12. $\frac{2}{5}$  | 23. $\frac{1}{4}$  | 34. $\frac{5}{12}$  |
| 2. $\frac{1}{2}$  | 13. $\frac{1}{10}$ | 24. $\frac{1}{4}$  | 35. $\frac{3}{4}$   |
| 3. $\frac{1}{8}$  | 14. $\frac{3}{5}$  | 25. $\frac{1}{12}$ | 36. $\frac{7}{12}$  |
| 4. $\frac{3}{8}$  | 15. $\frac{3}{10}$ | 26. $\frac{1}{4}$  | 37. $\frac{1}{12}$  |
| 5. $\frac{1}{2}$  | 16. $\frac{7}{10}$ | 27. $\frac{1}{12}$ | 38. $\frac{5}{6}$   |
| 6. $\frac{1}{2}$  | 17. $\frac{1}{6}$  | 28. $\frac{1}{6}$  | 39. $\frac{5}{8}$   |
| 7. $\frac{1}{12}$ | 18. $\frac{1}{3}$  | 29. $\frac{1}{9}$  | 40. $\frac{3}{8}$   |
| 8. $\frac{1}{2}$  | 19. $\frac{1}{3}$  | 30. $\frac{2}{3}$  | 41. $\frac{34}{42}$ |
| 9. $\frac{1}{10}$ | 20. $\frac{1}{3}$  | 31. $\frac{5}{9}$  | 42. $\frac{7}{8}$   |
| 10. $\frac{1}{5}$ | 21. $\frac{1}{3}$  | 32. $\frac{2}{3}$  | 43. $\frac{47}{54}$ |
| 11. $\frac{2}{5}$ | 22. $\frac{1}{3}$  | 33. $\frac{1}{2}$  | 44. $\frac{65}{72}$ |

**Problem Set**

1. 31 min 35 sec
2.  $4\frac{9}{20}$  kg
3.  $\frac{1}{40}$  oz
4. 6 min 27 sec
5.  $\frac{11}{20}$  min

**Exit Ticket**

$1\frac{9}{10}$  dollars; \$1.90

**Homework**

1.  $\frac{7}{12}$  lb
2.  $1\frac{4}{5}$  kg
3.  $28\frac{2}{3}$  mi
4.  $2\frac{11}{24}$  lb
5.  $2\frac{1}{3}$  hr

## Lesson 16

### Problem Set

- Accurate drawing shown
  - Accurate drawing shown
  - Accurate drawing shown
  - Accurate drawing shown
- $1\frac{3}{7}$  or  $\frac{10}{7}$  ft shorter
- $1\frac{1}{7}$  or  $\frac{8}{7}$  ft

### Exit Ticket

- Accurate drawing shown
- Accurate drawing shown
- Accurate drawing shown

### Homework

- Accurate drawing shown
- Accurate drawing shown
- Accurate drawing shown;  $\frac{1}{10}$ ; 21 mi
- Answers will vary.