

# Chapter 5 Additional Exercises and Group Activity

## Answers

### Additional

#### Exercises 5.1

1. Three and forty-seven hundredths
2. Two and nine hundred six thousandths
3. Three hundred twenty-six thousandths
4. Twenty-five and two hundred two thousandths
5. 15.005
6. 407.17
7. 9.202
8. 0.0028
9. 12.0205
10.  $\frac{3}{50}$
11.  $\frac{9}{40}$
12.  $10\frac{1}{2}$
13.  $4\frac{1}{4}$
14.  $50\frac{1}{20}$
15. =
16. <
17. <
18. <
19. \$107.99
20. 786 miles

### Additional Exercises 5.2

1. 15.72
2. 11.302
3. 0.044
4. 33.795
5. 64.434
6. 5.41
7. 1.65
8. 0.49
9. 6.27
10. 2.3
11. 4.75
12. no
13. \$194.43
14. \$2.65
15. 43.8 yards
16. \$11.91 change
17.  $4.7x$
18. 0.66
19. 0.79
20.  $0.87x$

### Additional

#### Exercises 5.3

1. 1.04
2. 3.12
3. 0.033
4. -14.84
5. -2.94
6. 0.02505
7. 29.5
8. 360
9. 29.5
10. 0.075
11. 1.44
12. 3.645
13. 0.076
14.  $C = 62.8$  cm
15. 2.4 grams
16. 47.244 inches
17. -0.59
18. 3.6
19.  $p = 12.8$  yards
20.  $A = 11.28$  ft.<sup>2</sup>

### Additional Exercises 5.4

1. 0.8
2. 51
3. 0.03
4. 40.2
5. 0.71
6. 0.142
7. 11.765
8. 500
9. 5.9
10. 294.08
11. 165.33
12. 64.86
13. 0.3652
14. 8.34
15. 1.628
16. 76
17. 52 payments
18. average = 20.3 points
19. 62.5
20. 0.02

### Additional

#### Exercises 5.5

1. 0
2. 6
3. 1.1
4. 5
5. 782
6.  $p = 15$  m
7.  $A = 27$  ft.<sup>2</sup>
8. \$24,000
9. estimate \$18.40  
yes – enough
10. approx. 16 miles
11. 0.000125
12. 18.5
13. 6.2
14. 331
15. 2.25
16. 0.0625
17. 369
18. 2.24
19. 1.05
20. 18

### Additional Exercises 5.6

1. 0.4
2. 0.2
3. 0.375
4. 0.75
5. 0.17
6. 0.14
7. 0.57
8. 0.23
9. 0.93
10. 0.58
11. 0.846
12. 0.596
13. >
14. >
15. >
16. <
17. 0.33, 0.333,  $\frac{1}{3}$
18. 1.416,  $\frac{17}{12}$ ,  $\frac{22}{15}$
19.  $A = 11.13$  in.<sup>2</sup>
20.  $A = 2.24$  m<sup>2</sup>