- 15. (a) 17 + m years
 - (b) 37 years
- 16. (a) (20 + 2x) cm
 - (b) 32 cm
- 17. $\frac{16}{19}$
- 18. \$72.50
- 19. \$1.50
- 20. 19.5 kg
- 21. 400 g
- 22. 120
- 23. \$0.90
- 24. 120
- 25. (a) 262.50
- (b) \$237.50
- 26. 6
- 27.2:4:3
- 28. 54 in. [cm]
- 29. (a) $\frac{5}{11}$
- (b) \$20
- 30.5:3:4
- 31. (a) 3:5
- (b) 11:5
- 32. 9 cm²
- 33. (a) 296 cm²
- (b) 68 cm
- 34. 28 cm

Unit 4 - Percentage

1 Part of a Whole as a Percentage (pp. 47-52)

60%

- 1. (a) 26%
- (b) 40%
- 2. (a) 6%

(d) 16%

- (b) 20%
- (e) 9%
 - (f) 25%
- (b) 64% (e) 40%

(b) 20%

- (c) 40% (f) 6%

· (c) 6%

- 3. (a) 48% (d) 30% 5. 12.5%
- 6. (a) 25%
- (d) 80%
 - (e) 37.5%
- (f) 70%

(c) 75%

- (a)
- (b) $\frac{2}{}$ 25
- $\frac{1}{2}$ (c)

- (d) $\frac{5}{20}$
- 11 (e) 25
- 39 50

- 8. 80%
- 9. 7.5 %
- 10. (a) 10%
- (b) 90%
- (c) 1%
- (d) 3% (f) 0.1%
- (e) 75% (g) 4.5%
- (h) 22.5%
- 11. (a) 0.03
- (b) 0.35 (d) 0.86
- (c) 0.412. (a) 70%
- (b) 30% (b) \$54
- 13. (a) 55%
- 14. \$44
- 15. 161 16. \$618

Practice 4A (p. 53)

- (a) $\frac{2}{1}$ 25
- (b) $\frac{1}{4}$
- $\frac{1}{2}$ (c)
- 33 (d) $\frac{33}{50}$
- 2. (a) 0.09
- (c) 0.15
- (b) 0.9
- 3. (a) 40%
- (d) 0.62 (b) 87.5%
- (c) 45%
- (d) 5%
- (f) 8%
- (e) 50% (g) 15%
- (h) 24.5%
- 4. 15%
- 5. 35%
- 6. 9%
- 7. 40%
- 8. 25%
- 9. 20%
- 10.28%

Practice 4B (p. 54)

- 1. (a) 11.25
- (b) 702
- (c) \$75
- (d) 180 m
- (e) 10.5 ℓ
- (f) 9.6 kg

- 2. \$60
- 3. 9
- 45 4.
- 5. \$190
- 6. \$1470
- 7. 48
- 8. 250 g
- 9. \$34
- 10.16

2 One Quantity as a Percentage of Another (pp. 55-59)

- 1. 10%
- 2. 15%
- 3. 150%
- 4. 75%
- 5. (b) 20%
- 6. 7.5%
- 7. 10; 25% 8. \$67.20
- 9. 4.25 kg

Practice 4C (p. 60)

- 32% 1.
- 2. 25%
- 3. (a) 150% (b) 50%
- 4. 26%
- 5. 25%
- 6. 20%
- 7. 25% 8. 15%
- 9. 40%
- 10.40%

3 Solving Percentage Problems by Unitary Method (pp. 61-66)

\$3,000

- 1. 56
- 2. \$960
- 3. \$20
- 4. 150
- 5. \$1320
- 6. \$750; selling price \$900
- 7. \$40
- 8. 200
- 9. 90
- 10.16

Practice 4D (p. 67)

- 1. \$1,200
- 2. 1,100
- 3. 45
- 4. 800
- 5. \$200
- 6. \$60
- 7. \$400
- 8. 80
- 9. \$50
- 10.84

Practice 4E (p. 68)

- 1. 40%
- 2. 24
- 3. \$1875
- 4. \$50
- 5. (a) 5
 - (b) 12.5%
- 50%
 180
- 8. 16%
- 9. \$2200 10. (a) 32%
- (b) \$37.50

Review C (pp. 69-73)

- (a) $\frac{3}{4}$

- 3. (a) $\frac{3}{8}$
- (b)
- (c) 7
- (d) 2
- 5.
- 6. (a) 0.35
- (b) 2.2
- 7. (a) $\frac{3}{40}$
- (b) $1\frac{1}{25}$
- **Primary Mathematics Answer Keys**

- 3 5 8.
- 9. 6.96
- 10. (a) $\frac{1}{6}$
- (b) $\frac{1}{4}$
- 11. (a) 22
- (b) 20
- 12. 17.93 km
- 13. 0.89
- 14. (a) 55,000 (b) 4
- 15. 62.5%
- 16. 23.5%
- 17. (a) $\frac{4}{5}$
- (b) $\frac{1}{20}$

(c) 4.1

- 18. (a) 0.06
- (b) 0.92
- 19. (a) 1.5 kg 20. 25%
- (b) 210 m
- 21.35
- 22.64
- 23. 3900
- 24. \$5.70
- 25. 25
- 26. \$5.20
- 27. 300
- 28. 21 kg
- 29. \$68.40 30. \$1400
- 31. 26
- 32. \$91.80
- 33. 700 ml
- 34. 50
- 35. $\frac{3}{16}$
- 36.60ℓ
- 37.3:5:4
- 38. $\frac{9}{17}$
- 39. \$9
- 40. 102 41. 144
- 42. \$3.60
- 43. 25%
- 44. \$1250 45. 16%
- 46. 13 cm² 47. 60 cm²
- 48. C
- 49. (a) 16
- (b) 40%
- (c) 30%

35 km/h

Unit 5 - Speed

1 Speed and Average Speed (pp. 74-80)

225

- 1. 50 km/h 65 km/h
 - 90 mi/h [km/h] 45 mi/h [km/h]