

Chapter 4 BLM Answers

BLM 4-2 Comparing Numbers

- a) 25 b) 10
- a) 700, 701 b) 100, 110, 120
c) 31, 32, 33, 34, 35
- a) 7 b) 5 c) 1
- a) 9 b) 4.2 c) 4.6
- a) Y b) 360 c) 125
- Between 50 and 100 but much closer to 50
- a) Any number between 14.21 and 14.69 is acceptable.
b) Any number between 89 and 88 is acceptable.
- 2315.6, 2315.9, 2315.92, 2316

BLM 4-3 Section 4.1 Extra Practice

- a) $\frac{1}{2} = \frac{5}{10} = \frac{50}{100} = 50\%$ or 0.5
b) $\frac{1}{4} = \frac{25}{100} = 25\%$ or 0.25
c) $\frac{1}{5} = \frac{20}{100} = 20\%$ or 0.2
d) $\frac{3}{4} = \frac{75}{100} = 75\%$ or 0.75
e) $\frac{4}{5} = \frac{8}{10} = \frac{80}{100} = 80\%$ or 0.8
f) $\frac{1}{8} = \frac{12.5}{100} = 12.5\%$ or 0.125
g) $\frac{3}{5} = \frac{6}{10} = \frac{60}{100} = 60\%$ or 0.6
h) $\frac{5}{8} = \frac{62.5}{100} = 62.5\%$ or 0.625

BLM 4-5 Section 4.2 Extra Practice

- a) $11 \div 12$ b) 0.9166667
c) 0.917 d) $0.917 \times 100\% = 91.7\%$
- a) $15 \div 42$ b) 0.3571429
c) 0.357 d) $0.357 \times 100\% = 35.7\%$
- a) $324 \div 365$ b) 0.8876712
c) 0.888 d) $0.888 \times 100\% = 88.8\%$
- $\frac{2}{3} = 0.666666 = 0.\overline{6}$
- $\frac{5}{9} = 0.555555 = 0.\overline{5}$

$$6. \frac{1}{13} = 0.076923076923 = 0.\overline{076923}$$

$$7. \frac{3}{7} = 0.42857142857 = 0.\overline{428571}$$

- a) 20 b) 4 c) 24 d) 12
- a) 45 b) 9 c) 54 d) 27
- a) 100 b) 20 c) 120 d) 60
- a) 75 b) 15 c) 90 d) 45
- a) 40 b) 8 c) $40 + 8 = 48$
d) between 50% and 60% but closer to 60%
- a) 15 b) 3 c) $15 - 3 = 12$
d) between 50% and 40% but closer to 40%
- a) 20 b) 4 c) $20 + 4 + 4 = 28$
d) between 60% and 70% but closer to 70%

BLM 4-7 Section 4.3 Extra Practice

- a) \$1.20 b) \$0.60 c) \$1.80
- a) \$4.50 b) \$2.25 c) \$6.75
- a) 16¢ b) 8¢ c) 24¢
- a) \$12 b) \$6 c) \$18
- a) \$42.60 b) \$21.30 c) \$63.90
- $\$1.40 + \$0.70 = \$2.10$
- $\$2.50 + \$1.25 = \$3.75$
- $22¢ + 11¢ = 33¢$
- $\$6.80 + \$3.40 = \$10.20$
- $\$18.50 + \$9.25 = \$27.75$
- $\$84.60 + \$42.30 = \$126.90$
- $10\% = 1.6$; $20\% = 3.2$ ($1.6 + 1.6$)
- $50\% = 42$; $10\% = 8.4$;
 $60\% = 50.4$ ($42 + 8.4$)
- $50\% = 36$; $10\% = 7.2$;
 $40\% = 28.8$ ($36 - 7.2$)
- $10\% = 12$; $80\% = 96$ (12×8)
- $25\% = 80$; $75\% = 240$ (80×3)
- $1\% = 8.4$; $3\% = 25.2$ (8.4×3)
- $10\% = 37$; $1\% = 3.7$;
 $9\% = 33.3$ ($37 - 3.7$)
- $33.3\% = 12$; $66.6\% = 24$ (12×2)
- $50\% = 28$; $5\% = 2.8$;
 $45\% = 25.2$ ($28 - 2.8$)

BLM 4-10 Chapter 4 Test

- B 2. B 3. D 4. A 5. B
6. A 7. B 8. C 9. B 10. B
11. 37.5% 12. \$12.60

- 13.** 60% **14.** 0.55, 60%, $\frac{2}{3}$
- 15. a)** 27, 33.6, 52, 50
b) 52, 50, 33.6, 27
- 16.** Estimate: about half of 10%, or \$2.25;
\$45 + 2.25 = \$47.25
Calculate: \$45 + \$2.70 = \$47.70
- 17.** 66.7% **18.** \$1173.25 **19.** 67.6%
- 20.** \$1400 becomes \$1190; \$1510 becomes \$1208. A-1 Travel's cruise is cheaper, though Cruise Deluxe gives a larger discount.
- 21.** $0.\overline{52}$. The line showing repeat goes over both numbers that repeat.
- 22.** 10% of \$140 is \$14; $10\% \times 3 = 30\%$;
 $3 \times 14 = \$42$