

Chapter 1 BLM Answers

BLM 1-3 Chapter 1 Warm-Up

Section 1.1

1. 2.6 m
2. \$18.77
3. $13.06 < 13.50$
4. $x = 2$
5. 72

Section 1.2

1. \$0.75
2. \$2.48
3. \$3.99; \$2.79
4. 30%
5. 120 tablets for \$0.09 each is a lower price than 90 tablets for \$0.11 each

Section 1.3

1. £187.50
2. \$679.50
3. \$644.18
4. \$146.31
5. €75

BLM 1-4 Section 1.1 Extra Practice

1. a) \$0.75 b) \$2.99 c) \$0.44 d) \$0.80
2. a) \$9.50 b) \$38.00 c) \$70.80
- d) \$0.95
3. a) \$2.75 b) \$2.56 c) \$1.18 d) \$0.98
4. Case of 24 (\$0.50/juice pack) is more economical than 8-pack (\$0.56/juice pack)
5. a) \$17.50/kg b) \$13.17/kg
- c) \$0.47/kg d) \$4.45/kg
6. a) \$0.20/kg; \$0.12/kg b) \$0.44/battery; \$0.50/battery c) \$2.39/L; \$1.05/L
7. a) 40 % decrease b) 14% increase
- c) 56% increase
8. a) \$9.43/L b) \$0.34/mL c) \$7.02/L
9. a) 24 b) 350 mL c) 12 d) 1.25 kg
10. a) \$75/h
- b) Unit rate is a lower dollar amount for consumers to read

BLM 1-5 Section 1.2 Extra Practice

1. a) \$525 b) \$475
2. a) \$206 b) \$194
3. a) MXN\$3075 b) MXN\$2975
4. a) \$324.40 b) \$370
5. \$242.88
6. a) \$312.18 b) €229.11 c) 9758 rubles
7. a) \$565.06 b) \$144.37 c) \$1291.20
8. €15

9. a) 4647 rubles b) \$35.51; \$29.05

c) No, the second is cheaper

10. a) \$444.98

b) Example: Robert can purchase a new computer for only \$54.02 more.

BLM 1-6 Section 1.3 Extra Practice

1. a) 77 b) 5 c) 29 d) -11
- e) 36.7 f) 106.7 g) 4.4 h) 274.7
- i) 425.2 j) 17 k) 1.2 l) 9.7 m) 6.3
- n) 31.1 o) 241.9 p) 1.9 q) 4.2 r) 25.4
- s) 828.1 t) 2
2. a) 24 °C b) 21 °F
3. a) -1 b) 64
4. 137
5. 907
6. 396.3
7. 296 mL; 250 mL; 15 mL; 30 mL
8. Example: Yes, because 1 c = 8 fl oz. He needs 60 fl oz of oil, and he ordered 64. He needs 70 oz of applesauce, and he ordered 72 oz.

BLM 1-7 Chapter 1 Test

1. B
2. D
3. D
4. a) 50 °F b) 26.9 °C
5. a) BCD = \$0.44/g, EFG = \$0.399/g; EFG is cheaper
- b) 11%
- c) Example: Max should consider whether travelling to EFG costs more and adds to the real cost and whether there are any quality differences between the products.
6. a) 2463.5 L b) 2272 kg c) 1 °C
7. a) 32 gallons b) C\$1.19 c) C\$0.86
8. a) US\$1548 b) C\$1562
9. 6 L maple syrup and 24 L of soya sauce;
- $\frac{1}{4}$ cup = 0.06 L; 1 cup = 0.24 L;
- $0.06 \text{ L} + 0.24 \text{ L} = 0.30 \text{ L}$;
- $30 \div 0.30 = 100$;
- $100 \times 0.06 \text{ L} = 6 \text{ L}$, $100 \times 0.24 \text{ L} = 24 \text{ L}$

