

# Chapter 1 BLM Answers

## BLM 1-3 Chapter 1 Warm-Up

### Section 1.1

- 2.6 m
- \$18.77
- $13.06 < 13.50$
- $x = 2$
- 72

### Section 1.2

- \$0.75
- \$2.48
- \$3.99; \$2.79
- 30%
- 120 tablets for \$0.09 each is a lower price than 90 tablets for \$0.11 each

### Section 1.3

- £187.50
- \$679.50
- \$644.18
- \$146.31
- €75

## BLM 1-4 Section 1.1 Extra Practice

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

## BLM 1-5 Section 1.2 Extra Practice

- a) \$525 b) \$475
- a) \$206 b) \$194
- a) MXN\$3075 b) MXN\$2975
- a) \$324.40 b) \$370
- \$242.88
- a) \$312.18 b) €229.11 c) 9758 rubles
- a) \$565.06 b) \$144.37 c) \$1291.20
- €15

- a) 4647 rubles b) \$35.51; \$29.05 c) No, the second is cheaper
- a) \$444.98  
b) Example: Robert can purchase a new computer for only \$54.02 more.

## BLM 1-6 Section 1.3 Extra Practice

- 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
- a) 24 °C b) 21 °F
- a) -1 b) 64
- 137
- 907
- 396.3
- 296 mL; 250 mL; 15 mL; 30 mL
- 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

- B
- D
- D
- a) 50 °F b) 26.9 °C
- 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.
- a) 2463.5 L b) 2272 kg c) 1 °C
- a) 32 gallons b) C\$1.19 c) C\$0.86
- a) US\$1548 b) C\$1562
- 6 L maple syrup and 24 L of soya sauce;  
 $\frac{1}{4}$  cup = 0.06 L; 1 cup = 0.24 L;  
 $0.06 \text{ L} + 0.24 \text{ L} = 0.30 \text{ L}$ ;  
 $30 \div 0.30 = 100$ ;  
 $100 \times 0.06 \text{ L} = 6 \text{ L}$ ,  $100 \times 0.24 \text{ L} = 24 \text{ L}$

