

# Chapter 2 BLM Answers

## BLM 2-1 Chapter 2 Problems of the Week

1. a)  $\frac{30}{60} = \frac{1}{2}$  b)  $\frac{15}{60} = \frac{1}{4}$  c)  $\frac{25}{60} = \frac{5}{12}$  d)

$1\frac{45}{60} = 1\frac{3}{4}$

2. 10 cm

3.  $\frac{5}{6}$  of the bar of gold is left.

4. 8 squares

## BLM 2-3 Section 2.1 Extra Practice

1. a) 17, -3.606,  $-8\frac{3}{4}$  b) -0.2,  $9.\overline{12}$ ,  $\frac{0}{0}$ ,  $-\frac{13}{4}$

2. -17.6,  $7\frac{5}{7}$ ,  $-\frac{23}{3}$ ,  $6.\overline{12}$ , 9, 401

3. A  $-\frac{1}{3}$  B -2.1 C -0.3 D  $\frac{7}{4}$  E -0.49 F  $2\frac{1}{5}$

4.  $-\frac{3}{4}$ , -0.6, 1.7

5.  $\frac{11}{6}$ ,  $1.\overline{3}$ , -0.5

6. a), b)

7. a)  $-\frac{1}{2}$  b)  $\frac{7}{8}$  c)  $-\frac{4}{7}$

8. a) Answers will vary. Example:  $\frac{85}{100}$

b) Answers will vary. Example:  $-\frac{655}{1000}$

9. a)  $-\frac{1}{2}$  b)  $-\frac{3}{4}$  c)  $-\frac{1}{3}$  d)  $1\frac{1}{2}$

10. a) < b) > c) > d) =

## BLM 2-4 Section 2.2 Warm Up

1. a) 2 b) 2 c) -11 d) 12 e) - 8. f) 3

2. Estimates will vary.

a) Estimate: 18; Calculate: 18.3

b) Estimate: 0.5; Calculate: 0.51

c) Estimate: 5; Calculate: 6.05

3. a) 15 b) -4 c) -1 d) 0

## BLM 2-5 Section 2.2 Extra Practice

1. Estimates will vary.

a) Estimate: -2; Calculate: -2.6

b) Estimate: -15; Calculate: -14.9

c) Estimate: 3; Calculate: 2.45

d) Estimate: 7; Calculate: 6.88

2. Estimates will vary.

a) Estimate: -28; Calculate: -27.3

b) Estimate: 45; Calculate: 47.43

c) Estimate: 1; Calculate: 1.2

d) Estimate: -9; Calculate: -8.5

e) Estimate: -12; Calculate: -11.34

f) Estimate: 6; Calculate: 5.1

g) Estimate: -1; Calculate: -0.67

h) Estimate: 0.3; Calculate: 0.26

3. a) -5.4 b) 4.74 c) 10.3 d) 22.8

4. a)  $135.25 + (-159.15) = -23.90$

b) Camille's account balance is -\$23.90.

5. a)  $(-12) + (+4) + (-11) + (+9) + (-3) = -13$

b) The temperature on Friday was -13 °C.

6. a)  $45 - (-63) = 108$

b) The difference between the hottest day and coldest day in Canada is 108 °C.

8. a) range:  $5.8 - (-0.5) = 6.3$ ; median: 1.8

mean: 2.04

b) range:  $14.2 - (-7.3) = 21.5$ ; median: 10.7;

mean: 7.075

## BLM 2-6 Section 2.3 Warm Up

1. a)  $\frac{2}{5}$  b)  $\frac{3}{5}$  c)  $\frac{1}{4}$  d)  $\frac{6}{7}$

2. a)  $\frac{8}{3}$  b)  $\frac{26}{5}$  c)  $\frac{10}{7}$  d)  $\frac{41}{9}$

3. a) 1 b)  $\frac{4}{7}$

4. a)  $\frac{5}{6}$  b)  $5\frac{7}{10}$  c)  $\frac{5}{12}$  d)  $1\frac{1}{8}$

5. a)  $\frac{1}{6}$  b)  $1\frac{7}{15}$  c)  $3\frac{1}{8}$  d) 16

6. a) 2 b)  $5\frac{1}{3}$  c)  $\frac{1}{2}$  d)  $\frac{24}{35}$

## BLM 2-7 Section 2.3 Extra Practice

1. Estimates will vary.

a) Estimate:  $\frac{1}{2}$ ; Calculate:  $\frac{5}{8}$

b) Estimate:  $\frac{1}{2}$ ; Calculate:  $\frac{1}{5}$

c) Estimate: 2; Calculate:  $1\frac{1}{2}$

2. a) Estimate: 0; Calculate:  $\frac{-4}{15}$

b) Estimate: 9; Calculate:  $9\frac{1}{6}$

c) Estimate: 2; Calculate:  $1\frac{7}{8}$

d) Estimate: -2; Calculate: -2

3. Mark has 5 left to deliver.

4. The Rodriguez family has \$700 left for other expenses.

## BLM 2-9 Section 2.4 Extra Practice

1. Estimates will vary.

a) Estimate: 16.5; Calculate: 16.81

b) Estimate: 140; Calculate: 141.61

c) Estimate: 0.5; Calculate: 0.5625

2. a) Estimate: 4.5; Calculate: 4.41

b) Estimate: 80; Calculate: 79.21

3. a) YES,  $5 \times 5$  b) YES,  $\frac{1}{2} \times \frac{1}{2}$

c) YES,  $\frac{5}{3} \times \frac{5}{3}$  d) YES,  $0.9 \times 0.9$

e) NO



- 4. a)** 16 **b)** 1.9  
**5. a)** 12 cm **b)** 25 m **c)** 0.3 mm **d)** 0.6 km  
**6. a)** *Estimate:*  $\sqrt{81} = 9$ ,  $\sqrt{100} = 10$ ,  
 $\sqrt{83} \approx 9.1$ ; *Calculate:* 9.1  
**b)** *Estimate:*  $\sqrt{0.49} = 0.7$ ,  $\sqrt{64} = 0.8$ ,  
 $\sqrt{0.56} \approx 0.75$ ; *Calculate:* 0.75  
**7.** The lot's dimensions are 71 m by 71 m.

**BLM 2-10 Chapter 2 Test**

- 1.** A **2.** B **3.** D  
**4.** 0.7 or 0.8  
**5.** 5.7  
**6. a)** 0.6 **b)** 0.9  
**7. a)**  $\frac{9}{5}$  **b)**  $\frac{1}{7}$   
**8.** 2 and 3  
**9.** 0.5 km  
**10.** 6 jars

