

# Chapter 2 BLM Answers

## BLM 2-3 Chapter 2 Warm-Up

### Section 2.1

1. 2765
2. \$118.60
3. 0.681
4. 2 L for \$2.59
5. 4.8 L

### Section 2.2

1. Look for a reasonable estimate using a personal reference and an accurate measurement.
2. 1' 1"
3. 8' 1"
4.  $4\frac{1}{8}$  in.

5. Look for appropriate references.

### Section 2.3

- 1.-3. Look for accurate measurements and correct rounding.
- 4.-5. Look for reasonable estimates using a personal reference and accurate measurements.

### Section 2.4

1. 10 in.
2. 33 cm
3. 219 yd
4. about 11 mi
5. about 97 km

## BLM 2-5 Section 2.1 Extra Practice

- 1.-2. Check for reasonable estimates and accurate measurements.
- 3.-4. Check for appropriate personal references for 1 in. and 1 ft, respectively, and reasonable estimates.
5. Check for appropriate measurement references.
6. a) 1' 1" b) 1' 3" c) 9' 7"  
d) 10' 1" e) 9' 8" f) 19' 6"
7. a)  $6\frac{1}{2}$  b)  $8\frac{1}{4}$  c)  $2\frac{1}{8}$   
d)  $6\frac{5}{8}$  e)  $8\frac{5}{16}$  f)  $3\frac{7}{16}$
8. a) 66'  
b) Look for two combinations. Examples: six 12-ft baseboards; nine 8-ft baseboards; one 12-ft baseboard and seven 8-ft baseboards
9. 60 ft
10. a), b) Look for accurate measurements.
12. Look for reasonable personal references for 8 ft. Example: 1 arm span and 2 forearms

## BLM 2-7 Section 2.2 Extra Practice

- 1., 3., 4. Check for accurate measurements.
- 5.-6. Check for appropriate personal references for 1 cm, 10 cm, and 1 m, respectively, and reasonable estimates. Check for accurate measurements.
7. Check for appropriate measurement references.
8. Check for accurate measurements.
9. 720 cm, 7.2 m
10. Check for appropriate personal references for 2 m. Example: 2 hip heights

## BLM 2-9 Section 2.3 Extra Practice

1. a) 7.5 cm; 7.6 cm b) 12.5 cm; 12.7 cm  
c) 22.5 cm; 22.9 cm d) 27.5 cm; 27.9 cm
2. a) 76 mm b) 127 mm c) 229 mm  
d) 279 mm
3. a) 2 in. b) 6 in. c) 10 in. d) 14 in.
4. a) 30 cm b) 91 cm c) 152 cm  
d) 213 cm
5. a) 3.1 mi b) 9.3 mi c) 46.6 mi  
d) 186.4 mi
6. a) 8.0 km b) 24.1 km  
c) 120.7 km d) 482.7 km
7. 6.45 cm
8. 91 cm to 137 cm
9. 5' 11"
10. a) 80 m b) 73.2 m
11. a) 270 mi b) 60 mi c) 130 mi  
d) 296 mi
12. a) 230 km b) 277 km

## BLM 2-10 Section 2.4 Extra Practice

1. a) 44 in. b) 41 cm
2. a) 82 cm b) 33 in.
3. a) 22" b) 74 cm
4. a) 22.5" b) 15.4 cm c)  $12\frac{1}{4}$  in.  
d)  $6\frac{3}{8}$  in.
5. a) 18" b) 460.4 cm c) 71 in.  
d)  $27\frac{1}{4}$  in.
6. a) 1' 6" b) 4.6 m c) 5' 11"  
d)  $2' 3\frac{1}{4}$
7. 2.5 cm; 6 cm; 6.5 cm
8. a) 7.5 in. b) 10 cm



**9.** 3.2 m or 320 cm

**10.** 50" or 4' 2"

**11.** 25 in.

**12.** 18 cm in and 100 cm up

**BLM 2-11 Chapter 2 Test**

**1.** A

**2.** D

**3.** D

**4.** A

**5.** C

**6.** C

**7. a)** 164 ft **b)** 218 mi

**8.** Example: 30 ft; Kelly's height is about  $\frac{1}{5}$  the height of the cliff. So, 6 ft  $\times$  5 is about 30 ft.

**9.**  $3 \times 12 = 36$  in.;  $36 + 8 = 44$  in.;

$$\frac{44}{2} = 22 \text{ in.}$$

**10. a)** 84.8 m **b)** 400 m

**11.** 33.9 cm

**12.** 94 cm; Janie has enough felt.

**13. a)** 2 ft 6 in. by 2 ft **b)** 5 ft by 1 ft

