

Chapter 2 BLM Answers

BLM 2-3 Chapter 2 Warm-Up

Section 2.1

- 2765
- \$118.60
- 0.681
- 2 L for \$2.59
- 4.8 L

Section 2.2

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

- 10 in.
- 33 cm
- 219 yd
- about 11 mi
- 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.
- Check for appropriate measurement references.
- a) 1' 1" b) 1' 3" c) 9' 7"
d) 10' 1" e) 9' 8" f) 19' 6"
- 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) $3\frac{7}{16}$ "
- 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
- 60 ft
- a), b) Look for accurate measurements.
- 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.
- Check for appropriate measurement references.
- Check for accurate measurements.
- 720 cm, 7.2 m
- Check for appropriate personal references for 2 m. Example: 2 hip heights

BLM 2-9 Section 2.3 Extra Practice

- 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
- a) 76 mm b) 127 mm c) 229 mm
d) 279 mm
- a) 2 in. b) 6 in. c) 10 in. d) 14 in.
- a) 30 cm b) 91 cm c) 152 cm
d) 213 cm
- a) 3.1 mi b) 9.3 mi c) 46.6 mi
d) 186.4 mi
- a) 8.0 km b) 24.1 km
c) 120.7 km d) 482.7 km
- 6.45 cm
- 91 cm to 137 cm
- 5' 11"
- a) 80 m b) 73.2 m
- a) 270 mi b) 60 mi c) 130 mi
d) 296 mi
- a) 230 km b) 277 km

BLM 2-10 Section 2.4 Extra Practice

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

