ML8 Chapter 5 Warm-Up Answers

BLM 5–3 Chapter 5 Warm-Up

Section 5.1

1. 63.5%

2. 2.49

3. 0.375

4. Front End Estimate: \$75 + \$7.50 = \$83.50
Relative Size Estimate: \$75 + \$7.50 + \$3.75 = \$86.25. Calculate: \$83.25

5. 169

6. $\frac{13}{40}$

7. 1% = \$100; 0.5% = \$50; 2.5% = \$250

8. 1% = \$5; $\frac{1}{2}$% = \$2.50

9. 1% = 2.5; $\frac{1}{4}$% ≈ 0.6; $1\frac{1}{4}$% ≈ 3.1

10. 10% = \$14.90; 5% = \$7.45

Section 5.2

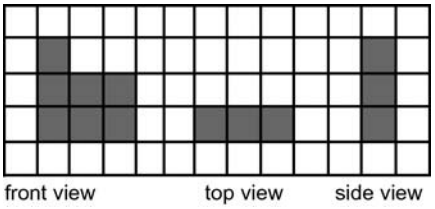
1. No. 7 × 7 = 49; 8 × 8 = 64. This is between the two perfect squares.

2. 25 m

3. Answers will vary according to the eraser. Sketches will likely show a rectangular prism.

4. If the original front view is the long face, then the second front view should be the short face.

5.



6. 10% = \$200; 5% = \$100; 1% = \$20; 0.5% = \$10; 5.5% = \$110

7. 1% = 3; $\frac{1}{4}$% ≈ 0.80; $\frac{1}{4}$% ≈ 0.8

8. □ ≈ 180

9. □ ≈ 36 or 40

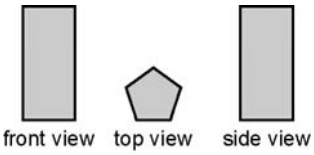
10. □ ≈ 280

Section 5.3

1. 51.84

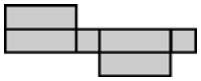
2. \$628.50

3.



4. Because the front and side views are the same size, they will look the same as the views in #3.

5. Answers may vary. Example:



6. a triangular prism

7. 1% = \$80; 0.25% = \$20; 0.75% = \$60; 5% = \$400; 5.75% = \$460

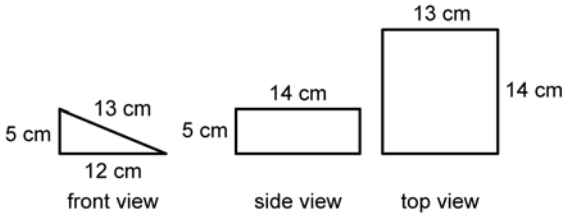
8. 1% = \$12; 0.5% = \$6; 2.5% = \$30

9. 180°

10. 120°

Section 5.4

1.



2. front view = 30 cm^2; side view = 70 cm^2; top view = 182 cm^2. There are 2 rectangles of 13 × 14 = 364 cm^2. Total = 464 cm^2.

3. cylinder

4. 72 beats/min

5. 20%

6. 270°

7. 10% = 250; 5% = 125; 25.75% ≈ 625

8. □ = 18

9. □ = 7

10. □ = 15