Grade 7 Math – Measurement Review

Find Circumference
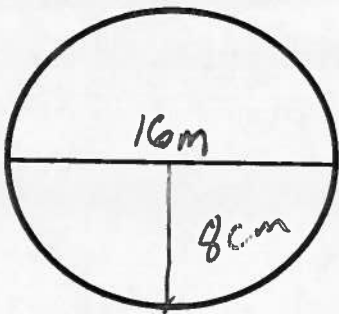
$$C = \pi d$$

$$C = 3.14 \times 18$$

$$\boxed{C = 56.52 \text{ cm}}$$
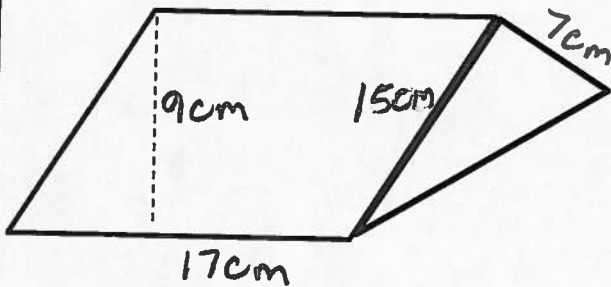
18 cm   9 cm

Find Area

16 m   8 cm

$$A = \pi r^2$$

$$A = 3.14 \times 8 \times 8$$

$$\boxed{A = 200.96 \text{ cm}^2}$$

Find Area

9 cm   15 cm   7 cm   17 cm

$$A = L \times h$$

$$A = 17 \times 9$$

$$\boxed{A = 153 \text{ cm}^2}$$

Total

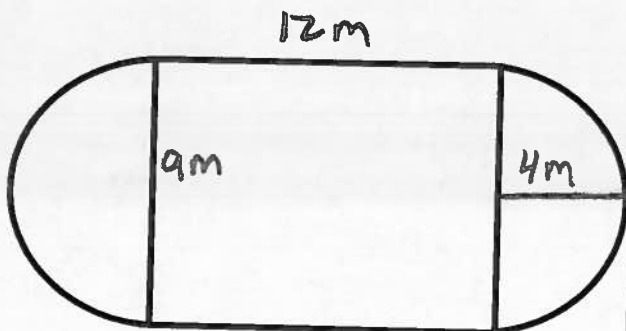$$\boxed{205.5 \text{ cm}^2}$$

$$A = \frac{b \times h}{2}$$

$$A = \frac{7 \times 15}{2}$$

$$A = \frac{105}{2}$$

$$\boxed{A = 52.5 \text{ cm}^2}$$

Find Area

12 m   9 m   4 m

$$A = L \times w$$

$$A = 12 \times 9$$

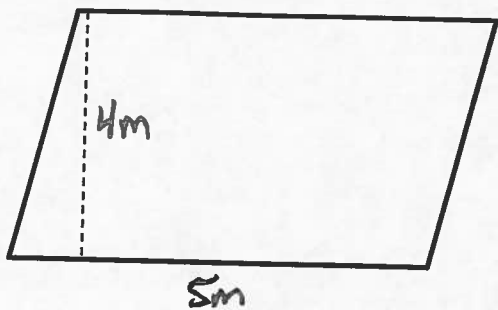$$A = 108 \text{ m}^2$$

$$A = \pi r^2$$

$$A = 3.14 \times 4 \times 4$$

$$A = 50.24$$

$$+ 108.00$$

$$\boxed{158.24 \text{ m}^2}$$
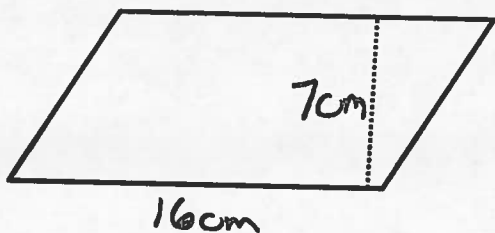
Grade 7 Math – Measurement Review

Find Area

4m

5m

$A = L \times h$

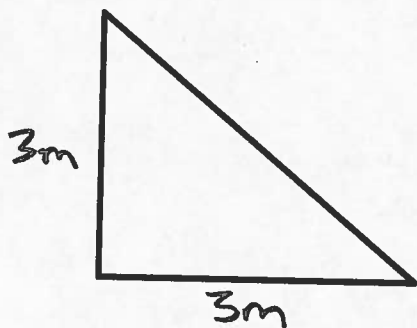$A = 5 \times 4$

$A = 20 m^2$

Find Area

7cm

16cm

$A = L \times h$

$A = 16 \times 7$

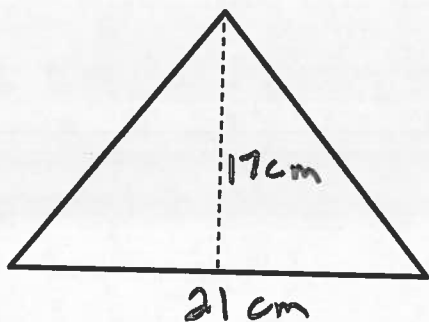$A = 112 \ cm^2$

Find Area

3m

3m

$A = \dfrac{b \times h}{2}$

$A = \dfrac{3 \times 3}{2}$

$A = \dfrac{9}{2}$

$A = 4.5 m^2$

Find Area

17cm

21 cm

$A = \dfrac{b \times h}{2}$

$A = \dfrac{21 \times 17}{2}$
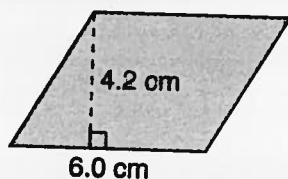
$A = \dfrac{357}{2}$

178.5 cm²

Chapter 5 Test Yourself

Circle the letter of the correct answer.

1. Calculate the area of a parallelogram with a base of 3 cm and a height of 2 cm.

   A. 10 cm²   **B.** 6 cm²   **C.** 5 cm²   **D.** 1 cm²

2. Calculate the area of the parallelogram.

   4.2 om

   6.0 cm

   A. 15.0 cm²   **B.** 24.5 cm²   **C.** 25.2 cm²   **D.** 18.3 cm²

3. Calculate the area of a triangle with a base of 10 cm and a height of 10 cm.

   A. 100 cm²   **B.** 75 cm²   **C.** 50 cm²   **D.** 25 cm²

4. Calculate the area of a triangle with a base of 1.5 cm and a height of 6.3 cm.

   A. 4.7 cm²   **B.** 9.5 cm²   **C.** 12.1 cm²   **D.** 17.2 cm²

5. Calculate the circumference of a circle with a diameter of 6.0 mm

   A. 18.8 mm   **B.** 6.0 mm   **C.** 3.0 mm   **D.** 9.2 mm

6. Calculate the area of a circle with a radius of 2.2 cm.

   A. 8.6 cm²   **B.** 4.4 cm²   **C.** 20.5 cm²   **D.** 15.2 cm²
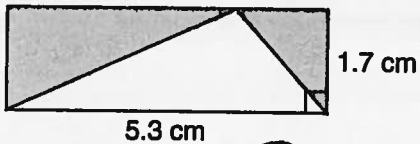
7. Calculate the area of a circle with a diameter of 20.3 m.

   A. 323.5 m²   **B.** 401.8 m²   **C.** 200.3 m²   **D.** 60.4 m²

8. Pavlo's back yard is triangular in shape. It has a base of 12.2 m and a height of 8.2 m. What is the area of Pavlo's garden?
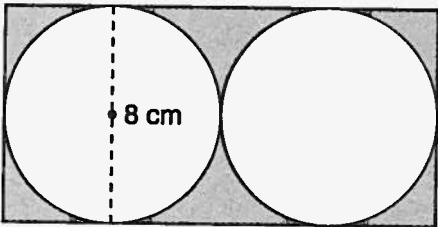
   A. 20.0 m²   **B.** 30.0 m²   **C.** 40.0 m²   **D.** 50.0 m²

9. Calculate the area of the shaded sections of the diagram.

   1.7 cm
   5.3 cm

   A. 3.2 cm²   **B.** 4.5 cm²   **C.** 5.6 cm²   **D.** 6.3 cm²

10. Calculate the area of the shaded sections of the diagram.

   8 cm

   A. 7.5 cm²   **B.** 17.5 cm²   **C.** 27.5 cm²   **D.** 37.5 cm²

11. Ashley drew two circles. The diameter of the larger circle is 4.5 cm. The radius of the smaller circle is 1.9 cm. How much larger is the area of the larger circle than the area of the smaller circle?

   A. 3.1 cm²   **B.** 4.6 cm²   **C.** 5.4 cm²   **D.** 5.0 cm²

12. Calculate the height of a parallelogram with an area of 180.6 mm², and a base of 13.0 mm.

   A. 7.4 mm   **B.** 19.2 mm   **C.** 13.9 mm   **D.** 14.2 mm