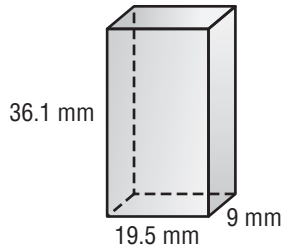


Test, Form 3B

SCORE _____

Find the volume of each figure. **Round to the nearest tenth if necessary.** this means on place past the decimal

1.



incorrect

$$6335.55 \text{ mm}^3 = 3(6335.55 \text{ mm}) = 19006.65 \text{ mm}$$

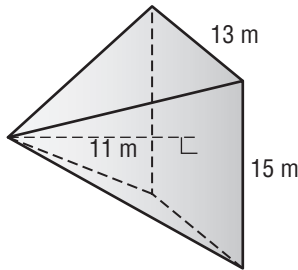
correct

$$6335.6 \text{ mm}^3$$

$$6335.55 \text{ mm}^3$$

1.

2.



$$715 \text{ m}^3$$

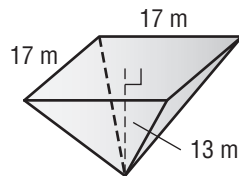
2. _____

3. A storage shed with a flat roof is 4 yards long by 3 yards wide by $1\frac{1}{2}$ yards tall. A cubic yard is equal to 27 cubic feet. How many cubic feet of storage space does the shed enclose?

$$486 \text{ in}^3$$

3. _____

4. Find the volume of the square pyramid.



$$1252.3 \text{ m}^3$$

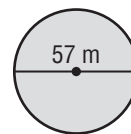
4. _____

5. What is the circumference of a Ferris wheel with a radius of 22.5 ft? Use 3.14 for π . Round to the nearest tenth.

$$141.3 \text{ ft}$$

5. _____

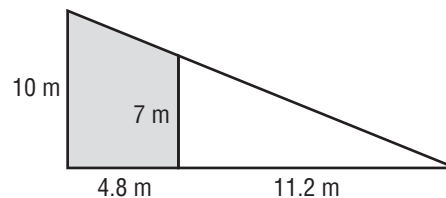
6. Find the area of the circle. Use 3.14 for π . Round to the nearest tenth.



$$2550.5 \text{ m}^2$$

6. _____

7. Find the area of the shaded region.



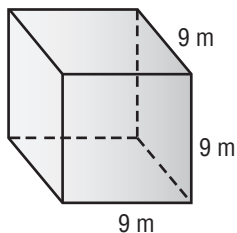
$$40.8 \text{ m}^2$$

7. _____

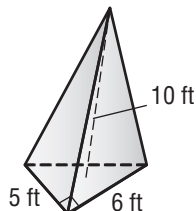
Test, Form 3B (continued)

SCORE _____

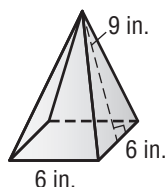
8. Find the surface area of the cube.

8. 486 m²

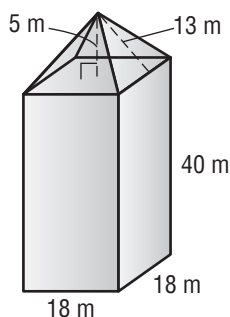
9. Find the volume of the pyramid.

9. 50 ft³

10. Find the surface area of the pyramid.

10. 144 in²

11. Find the volume of the composite figure.

11. 13500 m³

12. Find the surface area of the composite figure in Exercise 11.

12. 3672 m²

13. A freezer is shaped like a rectangular prism. It has a length of 8 feet and a height of 3 feet. The volume is 54 cubic feet. Find the width of the freezer.

13. 2.25

14. A rectangular pyramid has a volume of 210 cubic centimeters. Find two possible sets of measurements for the base area and height of the pyramid.

14. $\frac{10 \times 7 \times 9}{5 \times 3 \times 42}$