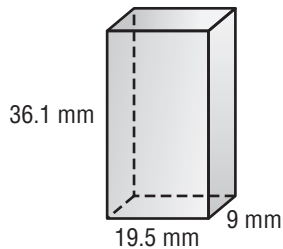


**Test, Form 3B**

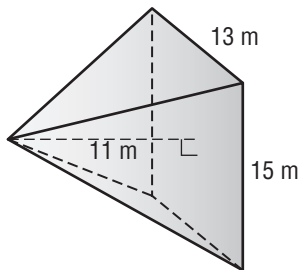
SCORE \_\_\_\_\_

Find the volume of each figure. Round to the nearest tenth if necessary.

1.

1. 6,173 mm cubed

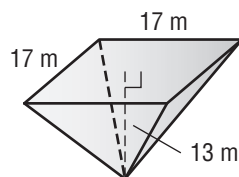
2.

2. 715 m cubed

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?

3. 486 cubic yard cubed

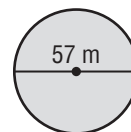
4. Find the volume of the square pyramid.

4. 1,252 m cubed

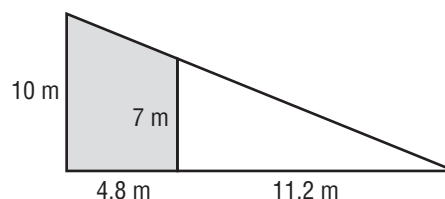
5. What is the circumference of a Ferris wheel with a radius of 22.5 ft? Use 3.14 for  $\pi$ . Round to the nearest tenth.

5. 141 ft

6. Find the area of the circle. Use 3.14 for  $\pi$ . Round to the nearest tenth.

6. 2,550 m squared

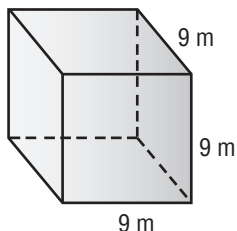
7. Find the area of the shaded region.

7. 40.8 m squared

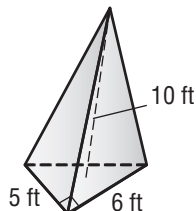
**Test, Form 3B** (continued)

SCORE \_\_\_\_\_

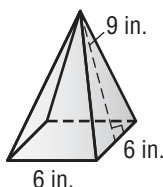
8. Find the surface area of the cube.

8. 486 m squared

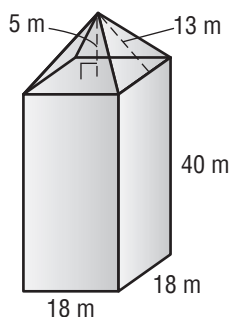
9. Find the volume of the pyramid.

9. 50 ft cubed

10. Find the surface area of the pyramid.

10. 144 in squared

11. Find the volume of the composite figure.

11. 13,500 m cubed

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

12. 3,672 m squared

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. 162 cubic ft cubed

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. 2,940 cubic c cubed