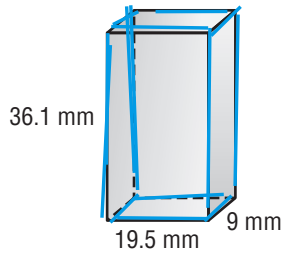


Test, Form 3B

SCORE _____

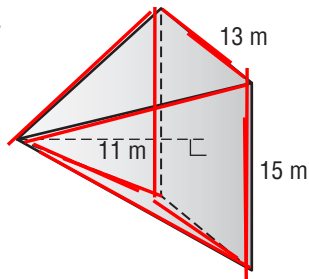
Find the volume of each figure. Round to the nearest tenth if necessary.

1.



1. 6335.6 mm³

2.

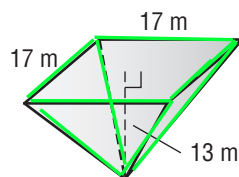


2. 715 m²

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. $\frac{1}{3}$ ft²

4. Find the volume of the square pyramid.

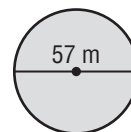


4. 1252 m²

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.

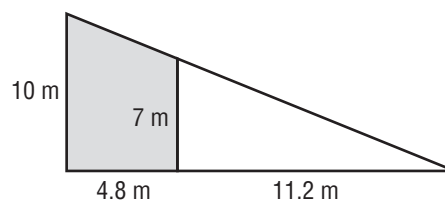
5. 30 ft

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



6. 10207

7. Find the area of the shaded region.

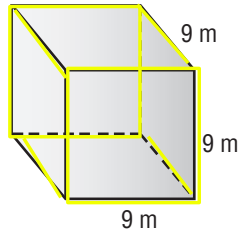


7. 336 m

Test, Form 3B (continued)

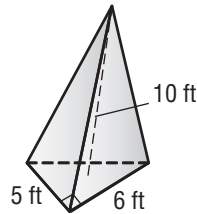
SCORE _____

8. Find the surface area of the cube.



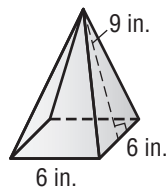
8. 486 m³

9. Find the volume of the pyramid.



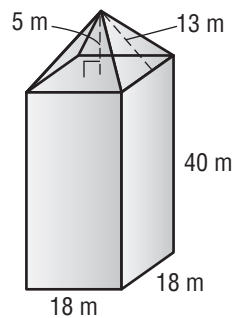
9. 21 ft²

10. Find the surface area of the pyramid.



10. 54 in³

11. Find the volume of the composite figure.



11. 58 m²

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

12. 65 m³

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. 72 ft²

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. 32 cm³