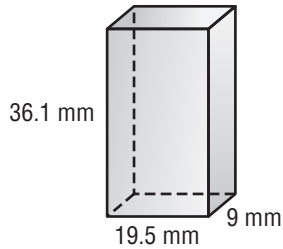


Test, Form 3B

SCORE _____

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

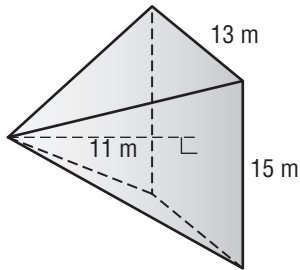
1.



14.3mm

1. _____

2.



17mm

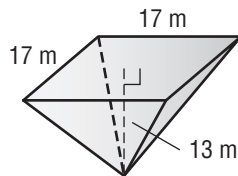
2. _____

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?

12

3. _____

4. Find the volume of the square pyramid.



18

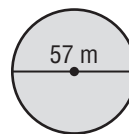
4. _____

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.

24.31

5. _____

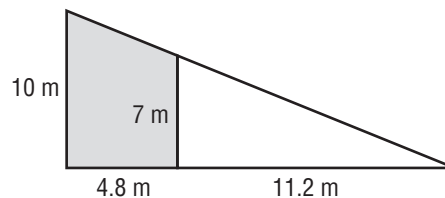
6. Find the area of the circle. Use 3.14 for π . Round to the nearest tenth.



146.42

6. _____

7. Find the area of the shaded region.



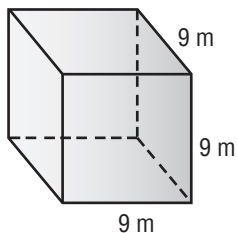
34.16

7. _____

Test, Form 3B *(continued)*

SCORE _____

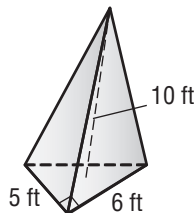
8. Find the surface area of the cube.



27

8. _____

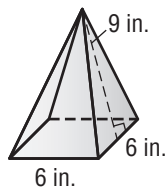
9. Find the volume of the pyramid.



24

9. _____

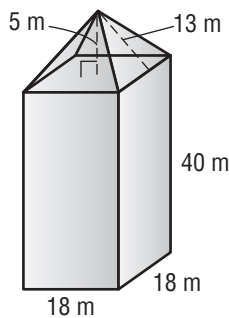
10. Find the surface area of the pyramid.



17

10. _____

11. Find the volume of the composite figure.



48

11. _____

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

23

12. _____

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.

76

13. _____

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.

416

14. _____