

Using inductive reasoning, name the next four terms of the sequence.

1. 31, 41, 51, _____, _____, _____, _____

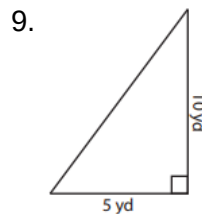
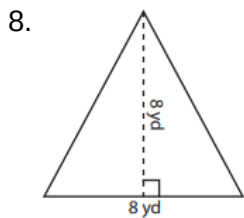
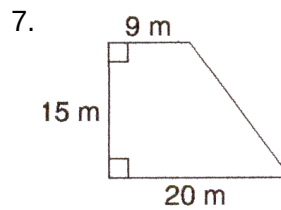
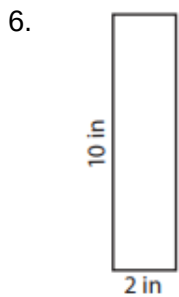
2. 0.5, 1.5, 4.5, _____, _____, _____, _____

3. $\frac{1}{2}$, $\frac{3}{4}$, 1, $\frac{5}{4}$, _____, _____, _____, _____

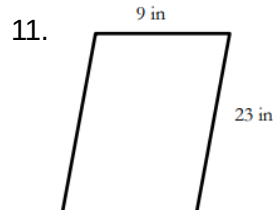
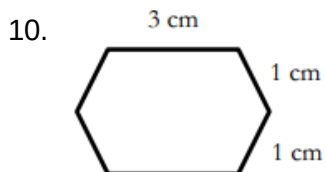
4. 12%, 20%, 28%, _____, _____, _____, _____

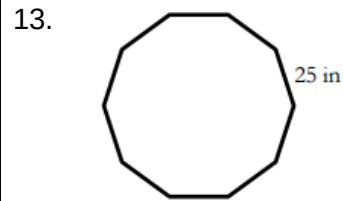
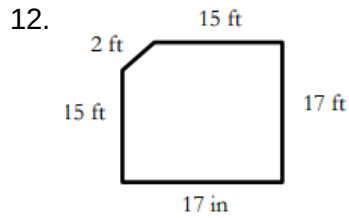
5.  _____, _____, _____, _____, _____

Find the area of each figure. Don't forget to label!

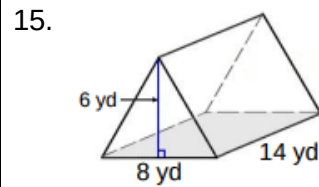
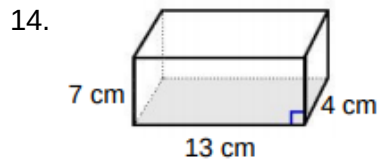


Find the Perimeter of each figure. Don't forget to label.





Determine the Volume of each figure. Don't forget to label.



Application. Write a verbal model and an algebraic model. Then, evaluate for each application. Label each answer appropriately.

16. A cube has depth of 10 cm. What is the volume of the cube?

Verbal Model:

Algebraic Model:

Solution:

17. You are planning on painting a rectangular wall that is 9 ft wide with an area of 90 square ft. What is the length of the wall?

Verbal Model:

Algebraic Model:

Solution:

18. A book had a length of 5 inches and a width of 8 inches. What is the perimeter of the book?

Verbal Model:

Algebraic Model:

Solution: