

The flagpole at the local post office is 34 feet tall. Which of the following measurements is closest to the height of the flagpole?

- a. 11 kilometers
- b. 11 centimeters
- c. 11 meters
- d. 11 dekameters

Since there are 3 feet in a yard, then 34 feet is a bit more than 11 yards. Since a meter is a bit more than a yard, then 34 feet must be about 11 meters.

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Which unit of measure is most appropriate for expressing the volume of a tic tac?

- a. square centimeters
- b. cubic centimeters
- c. square millimeters
- d. cubic millimeters

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Explain how units can be converted within the metric system by moving the decimal point. Provide specific examples.

*To convert from smaller units to larger units, move the decimal point to the left. Move the decimal to the right to convert from larger units to smaller.*

*To convert 12 mm to km, move the decimal 6 places to the left. Move left because km are larger than mm. Move 6 places because there are  $10^6$  mm in 1 km or because there are 6 sequential steps from mm to km:*

*mm cm dm m dam hm km*

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An equilateral triangle, a square, and a regular hexagon each have a perimeter of 36 cm. Which has the largest area?

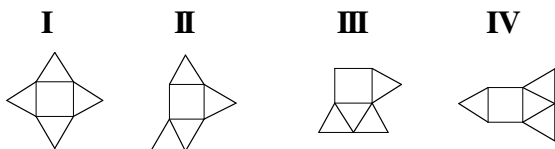
- a. equilateral triangle
- b. square
- c. regular hexagon
- d. They all have the same area.

The greater the number of sides, the greater the area. Or, the more circular the object, the greater the area.

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Which of the following nets will fold to make a pyramid with a square base?

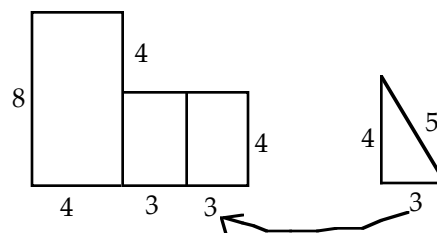


- a. I, II, IV
- b. I, III, IV
- c. I
- d. I, II,

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Draw the top view of this figure. Find the perimeter of your drawing.



$$P = 8 + 4 + 4 + 3 + 3 + 4 + 3 + 3 + 4$$

$$P = 36$$

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