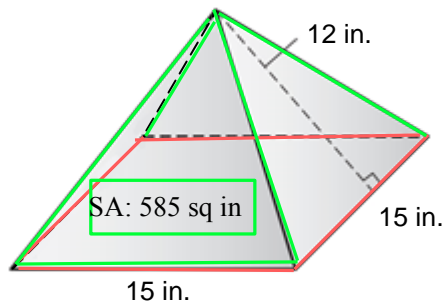


Lesson 7 Skills Practice

Surface Area of Pyramids

Find the total surface area of each pyramid. Round to the nearest tenth if necessary.

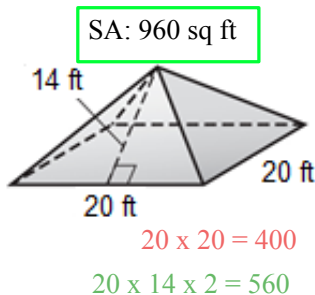
1.



$$15 \times 15 = 225$$

$$15 \times 12 \times 2 = 360$$

2.

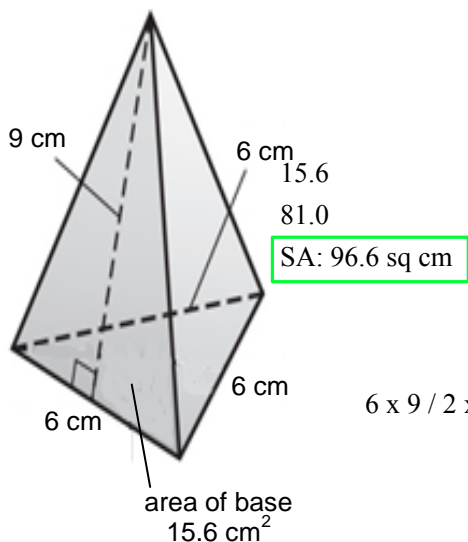


$$\text{SA: } 960 \text{ sq ft}$$

$$20 \times 20 = 400$$

$$20 \times 14 \times 2 = 560$$

3.

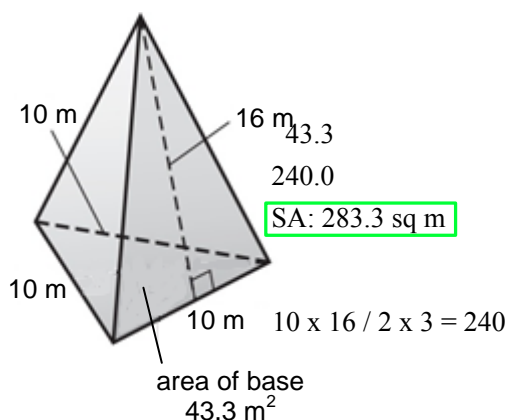


$$\text{SA: } 96.6 \text{ sq cm}$$

$$6 \times 9 / 2 \times 3 = 81$$

$$\text{area of base} \\ 15.6 \text{ cm}^2$$

4.



$$\text{SA: } 283.3 \text{ sq m}$$

$$10 \times 16 / 2 \times 3 = 240$$

$$\text{area of base} \\ 43.3 \text{ m}^2$$

5. The base of a square pyramid has a side length of 50 centimeters. The slant height is 32 centimeters. Find the surface area.

$$50 \times 50 = 2500$$

$$50 \times 32 \times 2 = 3200$$

$$\text{SA: } 5700 \text{ sq c}$$

6. An equilateral triangular pyramid has a slant height of 8.3 inches. The triangular base has a perimeter of 4.8 inches and an area of 1.1 square inches. Find the surface area of the pyramid.

$$(2.76 \times 8.3) / 2 \times 3$$

$$34.36$$

$$1.1$$

$$\text{SA: } 35.46 \text{ sq in}$$