

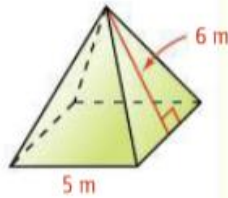
Day 13 HW (SA of Pyramids)

p. 712 #1-2, 5-7, 9, 12, 15

Do you know HOW?

Use the diagram of the square pyramid at the right.

1. What is the lateral area of the pyramid?
2. What is the surface area of the pyramid?



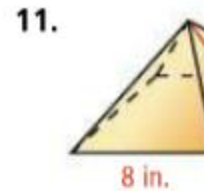
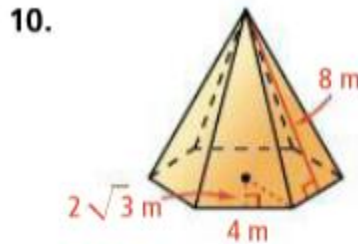
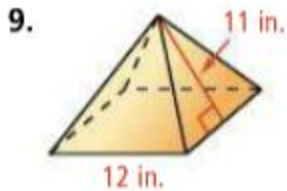
Use the diagram of the cone at the

Do you UNDERSTAND?

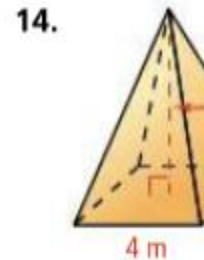
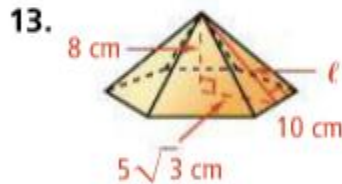
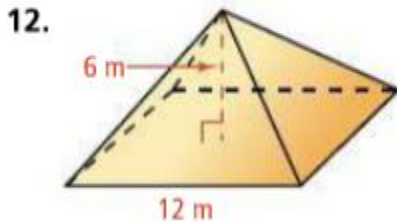


5. **Vocabulary** How do the height and the slant height of a pyramid differ?
6. **Compare and Contrast** How are the formulas for the surface area of a prism and the surface area of a pyramid alike? How are they different?
7. **Vocabulary** How many lateral faces does a pyramid have if its base is pentagonal? Hexagonal? n -sided?

Find the surface area of each pyramid to the nearest whole number.



Find the lateral area of each pyramid to the nearest whole number.



15. **Social Studies** The original height of the Pyramid of Khafre, located next to the Great Pyramid in Egypt, was about 471 ft. Each side of its square base was about 708 ft. What is the lateral area, to the nearest square foot, of a pyramid with those dimensions?