

STORY PROBLEMS

1

Quick Sketch:

Draw a rough sketch if the problem is describing a shape. Arrows can also be a helpful thing to sketch.

2

Label the Known:

Underline or label key information that is given (what is known).

3

Label the Unknown:

Identify what the question is asking of you. What is the unknown value you are asked to find? Label it.

4

Write an Equation:

Write an equation or formula that relates the known and unknown quantities. Then solve for the unknown.

Question 1) The diagonal of a rectangular movie theater screen is 84.1 feet. The width of the screen is 74.0 feet, and the height of the screen is 34 feet less than the width of the screen. Which of the following is the closest to the area, in square feet, of the television screen?

- (A) 1480
- (B) 1680
- (C) 2515
- (D) 2960
- (E) 6225

Question 2) Of the 450 seats in a concert hall for a music performance, there are three types of seating. 8% of the seats are reserved for VIP seating. Of those seats NOT reserved for VIP seating, 18 are floor seats. How many seats are available for general admission seating?

- (F) 432
- (G) 424
- (H) 414
- (J) 396
- (K) 369