Lesson 2 Practice Questions

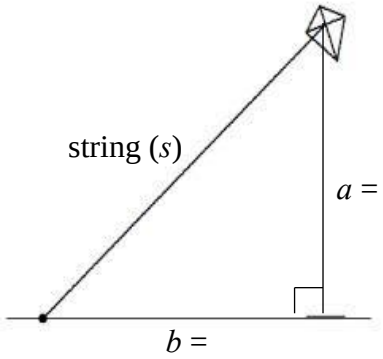
Basic Problem Solving Practice

1. Jason and Sam are flying a kite. The kite is 10 m above Jason's feet. Sam is on the ground, 8 m away from Jason, holding the kite's string. How long is the kite's string?

Step 1: Identify the given and the required values.

- *The distance from Jason to the kite is ____.*
- *The distance from Jason to Sam is ____.*
- *The length of the hypotenuse, the distance from Sam to the kite, is _____.*

Step 2: Draw and label the diagram.

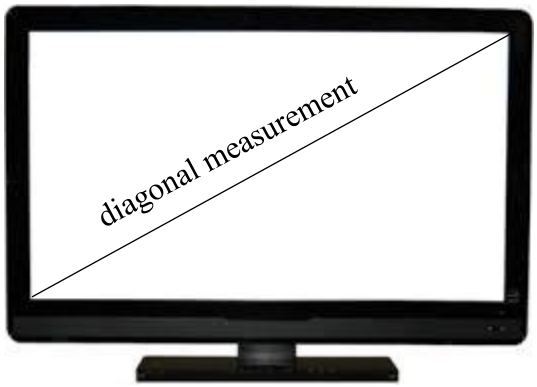


Steps 3 and 4: Write the formula, substitute known values, and solve.

Step 5: Review the answer.

Basic Problem Solving Practice #2

2. A TV screen is advertised by its diagonal measurement. The width of the screen on a 48 inch TV is 41 inches. What is the height of the screen, to the nearest inch?



Step 1: Identify the given and the required values.

- _____
- _____
- _____

Step 2: Draw and label the diagram.

Steps 3 and 4: Write the formula, substitute known values, and solve.

Step 5: Review the answer.