

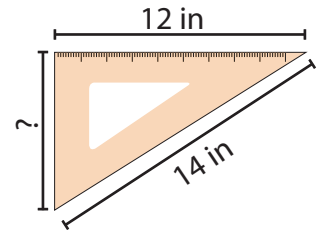
Name : _____

Pythagorean Theorem

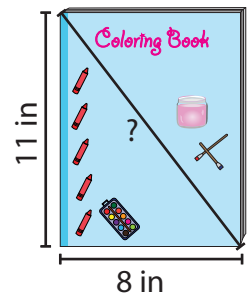
Level 2: S1

Solve the word problems. Round the answer to the nearest tenth.

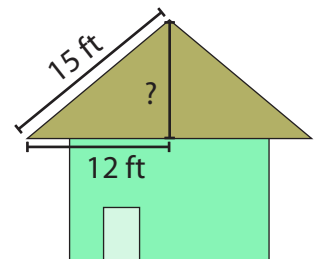
- 1) Ruth develops a blueprint with the help of a triangle. The longest side of the instrument measures 14 inches and one of the sides measures 12 inches. Determine the length of the other side of the instrument.



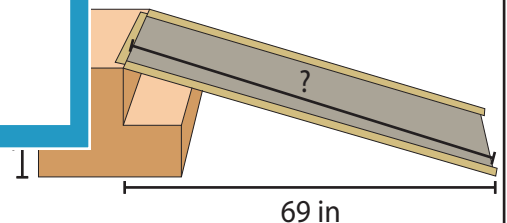
- 2) Carol bought a coloring book. It is 11 inches long and 8 inches wide. What is the diagonal length of the book?



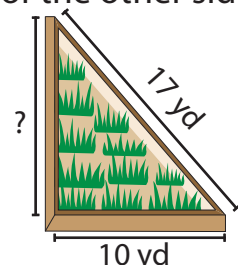
- 3) The slope of the rafters of the ridge from the eaves is 12 feet. Find the height of the roof.



- 4) A ramp is elevated to a height of 15 feet. The horizontal distance between the lower end of the ramp and the base of the structure is 69 inches. What is the length of the ramp?



- 5) Ashley has a right triangular garden in her backyard. The longest side of the garden measures 17 yards. One of the sides is 10 yards long. Find the length of the other side of the garden.



PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

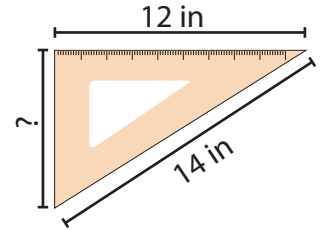
Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Pythagorean Theorem

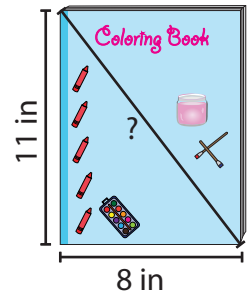
Solve the word problems. Round the answer to the nearest tenth.

- 1) Ruth develops a blueprint with the help of a triangle. The longest side of the instrument measures 14 inches and one of the sides measures 12 inches. Determine the length of the other side of the instrument.



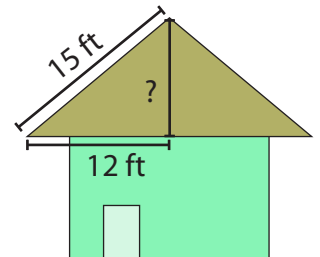
7.2 inches

- 2) Carol bought a coloring book. It is 11 inches long and 8 inches wide. What is the diagonal length of the book?



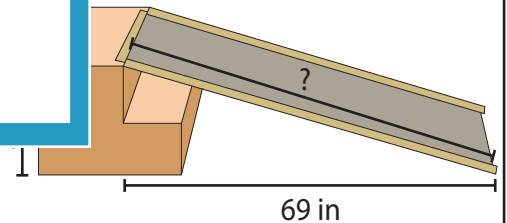
13.6 inches

- 3) The slope of the rafters of the ridge from the eaves is 12 feet. Find the height of the roof.



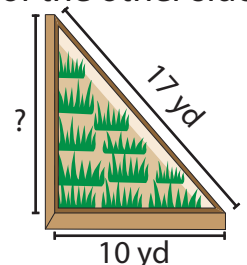
9 feet

- 4) A ramp is elevated to the lower end of the ramp. The length of the ramp is 74.1 inches. What is the horizontal distance between the ends of the ramp?



74.1 inches

- 5) Ashley has a right triangular garden in her backyard. The longest side of the garden measures 17 yards. One of the sides is 10 yards long. Find the length of the other side of the garden.



13.7 yards

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com