



#1

Choose the best answer

If a triangle is 13 inches across the hypotenuse, and is 12 inches long, then how wide is it?

- 4 5
 2 3

Show your work

#2

Choose the best answer

Hailey takes a piece of plywood that is 12 inches long and uses a table saw to make a 15-inch cut from corner to opposite corner. What was the width of the piece of plywood?

- 8 12
 6 9

Show your work

#3

Choose the best answer

What is the length of a triangle whose hypotenuse is 13 inches long, and height is 5 inches?

- 13 9
 11 12

Show your work



#4

Choose the best answer

A room is 16 feet by 12 feet.
How far is it across from
opposite corners?

- 20 25
 23 14

Show your work

#5

A playroom is 5 feet across
diagonally, and 4 feet wide.
How long is the playroom?

feet

Show your work

#6

If a book is 12 inches tall by 5
inches wide, how long is it
diagonally from corner to
corner?

inches

Show your work



#7

Andrew takes a piece of plywood that is 12 inches long and uses a table saw to make a 15-inch cut from corner to opposite corner. What was the width of the piece of plywood?

inches

Show your work

#8

The floor of the storage unit is 4 feet long and 3 feet wide. What is the distance between two opposite corners of the floor?

feet

Show your work

#9

Choose the best answer

The floor of the storage unit is 9 feet long and 12 feet wide. What is the distance between two opposite corners of the floor?

13

14

19

15

Show your work



#10

Diana has a pencil case that is 12 inches long and 9 inches wide. How long of pencils can she fit if she puts them in diagonally from corner to corner?

inches

Show your work

#11

Alexa's room is 5 feet long and 12 feet wide, but her measuring tape isn't long enough to measure how big the room is from opposite corners. Calculate it for her.

feet

Show your work

#12

A carpenter wants to divide a drawer diagonally that is 16 inches by 12 inches. How long does the carpenter need to make the dividing piece of wood?

inches

Show your work

Question	Answer
#1	5
#2	9
#3	12
#4	20
#5	3
#6	13
#7	9
#8	5
#9	15
#10	15
#11	13
#12	20