



#1

Choose the best answer

The floor of the storage unit is 15 feet long and 8 feet wide. What is the distance between two opposite corners of the floor?

- 20 17
 15 18

Show your work

#2

If a window is 9 feet wide and the diagonal is 15 feet wide then how tall is the window?

feet

Show your work

#3

A carpenter wants to divide a drawer diagonally that is 9 inches by 12 inches. How long does the carpenter need to make the dividing piece of wood?

inches

Show your work



#4

Choose the best answer

If a ballroom is 3 feet long by 4 feet wide, and Owen wants to know how far it is to run from one corner diagonally across the room to the other. How far is it?

- 8 3
 5 4

Show your work

#5

What is the height of a triangle whose hypotenuse is 20 inches, and width is 12 inches?

inches

Show your work

#6

Choose the best answer

Zachary's room is 8 feet long and 15 feet wide, but his measuring tape isn't long enough to measure how big the room is from opposite corners. Calculate it for him.

- 11 12
 14 17

Show your work



#7

If a window is 8 feet wide and the diagonal is 10 feet wide then how tall is the window?

feet

Show your work

#8

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?

- 10 15
 20 12

Show your work

#9

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



#10

A carpenter wants to divide a drawer diagonally that is 9 inches by 12 inches. How long does the carpenter need to make the dividing piece of wood?

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

Choose the best answer

If a window is 6 feet wide and the diagonal is 10 feet wide then how tall is the window?

8

7

6

10

Show your work

Question	Answer
#1	17
#2	12
#3	15
#4	5
#5	16
#6	17
#7	6
#8	15
#9	20
#10	15
#11	13
#12	8