



#1

If a window is 8 feet wide and the diagonal is 17 feet wide then how tall is the window?

feet

Show your work

#2

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

inches

Show your work

#3

Choose the best answer

If a window is 12 feet wide and the diagonal is 13 feet wide then how tall is the window?

4

8

7

5

Show your work



#4

## Choose the best answer

If a book is 16 inches tall by 12 inches wide, how long is it diagonally from corner to corner?

- 20                       14  
 26                       18

Show your work

#5

## Choose the best answer

If a ballroom is 5 feet long by 12 feet wide, and Noah wants to know how far it is to run from one corner diagonally across the room to the other. How far is it?

- 13                       17  
 15                       16

Show your work

#6

If a box is 9 feet long by 12 feet wide, how wide of a picture frame could be put inside it of it diagonally?

feet

Show your work

#7

## Choose the best answer

If Addison puts a piece of tape diagonally across her bed that is 5 inches long, how wide is the bed if it is 4 inches long?

- 3                       4  
 5                       2

Show your work

#8

## Choose the best answer

If a ballroom is 9 feet long by 12 feet wide, and Alexander wants to know how far it is to run from one corner diagonally across the room to the other. How far is it?

- 13                       19  
 14                       15

Show your work

#9

If Nick puts a piece of tape diagonally across his bed that is 10 inches long, how wide is the bed if it is 8 inches long?

inches

Show your work



#10

Choose the best answer

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

- 1                       0  
 3                       6

Show your work

#11

Choose the best answer

If a window is 12 feet wide and the diagonal is 13 feet wide then how tall is the window?

- 3                       4  
 8                       5

Show your work

#12

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

inches

Show your work

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