#1

Choose the best answer

If a triangle is 20 inches across the hypotenuse, and is 12 inches long, then how wide is it?

○ 20

○ 16

○ 18

○ 17

Show your work

#2

Choose the best answer

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

○ 15

○ 11

○ 13

○ 12

Show your work

#3

If a book is 15 inches tall by 8 inches wide, how long is it diagonally from corner to corner?

[ ] inches

Show your work

#4

Choose the best answer

If Abigail puts a piece of tape diagonally across her bed that is 15 inches long, how wide is the bed if it is 12 inches long?

○ 9   ○ 6

○ 10   ○ 7

Show your work

#5

A room is 8 feet by 6 feet. How far is it across from opposite corners?

☐ feet

Show your work

#6

Choose the best answer

If a triangle is 10 inches across the hypotenuse, and is 6 inches long, then how wide is it?

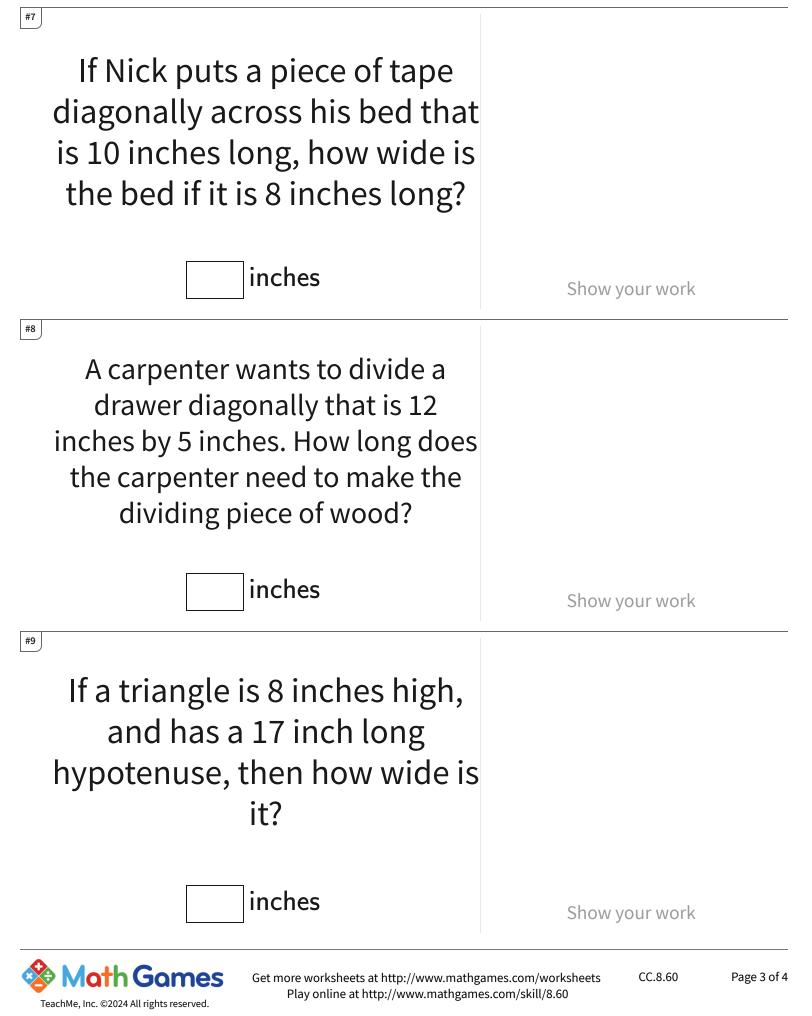○ 11   ○ 8

○ 5   ○ 9

Show your work

#7

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

#8

A carpenter wants to divide a drawer diagonally that is 12 inches by 5 inches. How long does the carpenter need to make the dividing piece of wood?

☐ inches

Show your work

#9

If a triangle is 8 inches high, and has a 17 inch long hypotenuse, then how wide is it?

☐ inches

Show your work

Math Games

#10

Choose the best answer

The back of a truck is 6 feet by 8 feet. How long is it diagonally from corner to corner?

○ 7   ○ 9

○ 11   ○ 10   Show your work

#11

Choose the best answer

What is the height of a triangle whose hypotenuse is 10 inches, and width is 8 inches?

○ 7   ○ 8

○ 6   ○ 4   Show your work

#12

Choose the best answer

If a triangle is 17 inches across the hypotenuse, and is 15 inches long, then how wide is it?

○ 10   ○ 7

○ 9   ○ 8   Show your work

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