

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Percentage Worksheet

Solve.

1 a. What is 75.7% of 14?	1 b. What is 88.3% of 143?
2 a. Find a number so that 65.7% of it is 120.	2 b. What is 33.2% of 114?
3 a. Find a number so that 55.6% of it is 34.	3 b. Find a number so that 9.4% of it is 97.
4 a. What is 59.4% of 64?	4 b. Find a number so that 26% of it is 12.
5 a. What is 24.9% of 69?	5 b. Find a number so that 60.4% of it is 112.
6 a. What is 29.1% of 132?	6 b. What is 95% of 143?

190

19. What is 75.7% of 14?

Step 1

75.7% needs to be converted or changed to a decimal. We do this by moving the decimal point two places to the left.

So 75.7% equals .757

Step 2

We multiply .757 by 14.

Whichever number has more digits should be on top

Step 3

$$\begin{array}{r} \phantom{x} \phantom{.} \phantom{7} \phantom{5} \phantom{7} \\ \phantom{x} \phantom{.} \phantom{7} \phantom{5} \phantom{7} \\ \times \phantom{.} 14 \\ \hline 3028 \\ + 7570 \\ \hline 10598 \end{array}$$

multiply  $4 \times 757$

multiply  $10 \times 757$

add them together

Step 4

Now we must move the decimal point to the left based on the total number of decimal places to the left of both numbers combined. 14 has zero .757 has three. So total is three.

## Step 5

10598. changes to

10598

= 10.598 ✓

## Step 6

Your final number should not have more than 3 digits to the right of the decimal point. If it does, you'll need to round up.

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## Answer Key

Answers are rounded to 3 decimals.

1 a. 75.7% of 14 is 10.598	1 b. 88.3% of 143 is 126.269
2 a. 65.7% of 182.648 is 120	2 b. 33.2% of 114 is 37.848
3 a. 55.6% of 61.151 is 34	3 b. 9.4% of 1031.915 is 97
4 a. 59.4% of 64 is 38.016	4 b. 26% of 46.154 is 12
5 a. 24.9% of 69 is 17.181	5 b. 60.4% of 185.43 is 112
6 a. 29.1% of 132 is 38.412	6 b. 95% of 143 is 135.85