

PERCENT OF A NUMBER - A

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HELPFUL EXAMPLE

1 CHANGE PERCENT TO DECIMAL. REMEMBER, IF THE DECIMAL IS NOT IN SIGHT IT'S ON THE RIGHT.

2 CHANGE "OF" TO MULTIPLICATION AND SOLVE.

→
 30% OF 120 = ⇨ .30 OF 120 = ⇨ .30 X 120 = 36

WHEN CHANGING A PERCENT TO A DECIMAL, **ALWAYS** MOVE THE DECIMAL TWO SPACES TO THE LEFT.

SHOW YOUR WORK

$$\begin{array}{r} 120 \rightarrow 120 \\ \times .30 \rightarrow \times 30 \\ \hline 3600 \rightarrow 36.00 \end{array}$$

FILL IN THE EMPTY SPACE.

1. 50% OF 16 = 8 2. 20% OF 100 = 20 3. 10% OF 60 = 6
- .50 X 16 =

4. 40% OF 35 = 14 5. 75% OF 200 = 150 6. 25% OF 28 = 7

7. 100% OF 59 = 59 8. 30% OF 50 = 15 9. 60% OF 15 = 9

10. 10% OF 83 = 8.3 11. 80% OF 95 = 76 12. 50% OF 54 = 27

13. 70% OF 30 = 21 14. 20% OF 14 = 2.8 15. 100% OF 47 = 47

16. 25% OF 8 = 2 17. 40% OF 100 = 40 18. 90% OF 20 = 18

PERCENT OF A NUMBER - B

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HELPFUL EXAMPLE

1 SINCE WE'RE WORKING IN THE OPPOSITE DIRECTION WE DON'T MULTIPLY BUT DIVIDE 12 BY 20.

2 CHANGE DECIMAL TO PERCENT BY MOVING DECIMAL TWO PLACES TO THE RIGHT.

←
 % OF 20 = 12 ⇨ % OF 20 = 12 ⇨ 60% OF 20 = 12

THE % (FIRST PART) IS MISSING. THIS TELL US WE HAVE TO SOLVE THE PROBLEM BACKWARDS OR IN THE OPPOSITE DIRECTION.

$$\begin{array}{r} 20 \overline{)12} \rightarrow 20 \overline{)12.0} \rightarrow 20 \overline{)12.00} \rightarrow .60 \\ \underline{-12.0} \\ 000 \end{array}$$
 SHOW YOUR WORK

FILL IN THE EMPTY SPACE.

1. 25% OF 8 = 2 2. 30% OF 100 = 30 3. 50% OF 24 = 12
- 8 $\overline{)2}$

4. 90% OF 60 = 54 5. 20% OF 55 = 11 6. 100% OF 76 = 76

7. 40% OF 12 = 4.8 8. 75% OF 20 = 15 9. 60% OF 35 = 21

10. 70% OF 10 = 7 11. 10% OF 40 = 4 12. 20% OF 28 = 5.6

13. 100% OF 99 = 99 14. 80% OF 75 = 60 15. 40% OF 120 = 48

16. 50% OF 82 = 41 17. 90% OF 150 = 135 18. 30% OF 61 = 18.3