PERCENT OF A NUMBER - A

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HELPFUL EXAMPLE

→

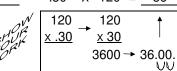
CHANGE PERCENT TO DECIMAL. REMEMBER, IF THE DECIMAL IS NOT IN SIGHT IT'S ON THE RIGHT.

² CHANGE "OF" TO MULTIPLICATION AND SOLVE.

30% OF 120 = \implies .30. OF 120 = \implies .30 X 120 = 36

120

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



FILL IN THE EMPTY SPACE.

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

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 $47 = 47$

PERCENT OF A NUMBER - B

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HELPFUL EXAMPLE

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

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

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

$$\frac{\%}{20}$$
 OF 20 = 12 \rightarrow 60% OF 20 = 12
 0.6 0.6

FILL IN THE EMPTY SPACE.

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

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

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 $120 = 48$