

PERCENT OF A NUMBER - A

NAME: _____

HELPFUL EXAMPLE

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$$30\% \text{ OF } 120 = \underline{\quad\quad} \quad \Rightarrow \quad .30 \text{ OF } 120 = \underline{\quad\quad} \quad \Rightarrow \quad .30 \times 120 = \underline{36}$$

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.

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

SHOW YOUR WORK

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

FILL IN THE EMPTY SPACE.

1. 50% OF 16 = _____ 2. 20% OF 100 = _____ 3. 10% OF 60 = _____
 .50 X 16 = _____

4. 40% OF 35 = _____ 5. 75% OF 200 = _____ 6. 25% OF 28 = _____

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

10. 10% OF 83 = _____ 11. 80% OF 95 = _____ 12. 50% OF 54 = _____

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

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

PERCENT OF A NUMBER - B

NAME: _____

HELPFUL EXAMPLE

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 _____ % OF 20 = 12

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

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 ⇒ 60% OF 20 = 12

$20 \overline{)12} \rightarrow 20 \overline{)12.0} \rightarrow 20 \overline{)12.0} \rightarrow .60$

SHOW YOUR WORK

$$\begin{array}{r} .6 \\ 20 \overline{)12.0} \\ - 120 \\ \hline 000 \end{array}$$

FILL IN THE EMPTY SPACE.

1. _____ % OF 8 = 2 2. _____ % OF 100 = 30 3. _____ % OF 24 = 12

$8 \overline{)2}$

4. _____ % OF 60 = 54 5. _____ % OF 55 = 11 6. _____ % OF 76 = 76

7. _____ % OF 12 = 4.8 8. _____ % OF 20 = 15 9. _____ % OF 35 = 21

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

13. _____ % OF 99 = 99 14. _____ % OF 75 = 60 15. _____ % OF 120 = 48

16. _____ % OF 82 = 41 17. _____ % OF 150 = 135 18. _____ % OF 61 = 18.3