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. |

6%   OF   32   = _____   ⟹   .06.   OF   32   = _____   ⟹   .06   X   32   =   1.92

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

SHOW YOUR WORK

$$\begin{array}{c} 32 \\ \times .06 \\ \hline 192 \end{array} \rightarrow \begin{array}{c} 32 \\ \times 6 \\ \hline \end{array} \rightarrow \begin{array}{c} \\ \\ 1.92. \end{array}$$

FILL IN THE EMPTY SPACE.

1. 12% OF 8 = __0.96__
   .12   X   8   =

2. 5% OF 20 = __1__

3. 24% OF 62 = __14.88__

4. 51% OF 62 = __31.62__

5. 27% OF 38 = __10.26__

6. 93% OF 100 = __93__

7. 120% OF 15 = __18__

8. 68% OF 41 = __27.88__

9. 2% OF 55 = __1.1__

10. 49% OF 34 = __16.66__

11. 72% OF 18 = __12.96__

12. 200% OF 55 = __110__

13. 81% OF 77 = __62.37__

14. 25% OF 38 = __9.5__

15. 19% OF 40 = __7.6__

16. 50% OF 34 = __17__

17. 99% OF 50 = __49.5__

18. 66% OF 1 = __0.66__

19. BOB TOOK A 40 PROBLEM TEST. HE GOT 85% CORRECT. HOW MANY PROBLEMS DID BOB GET CORRECT?

   34 CORRECT

20. VICTORIA IS RUNNING 5 MILES TODAY. SHE RAN 52% OF THE DISTANCE. HOW FAR HAS SHE RUN?

   2.6 MILES

HELPFUL EXAMPLE
←

| | 1 | SINCE WE'RE WORKING IN THE OPPOSITE DIRECTION WE DON'T MULTIPLY BUT DIVIDE 3.84 BY 12. | | 2 | CHANGE DECIMAL TO PERCENT BY MOVING DECIMAL TWO PLACES TO THE RIGHT. |

_____ %   OF   12   =   3.84   ⟹   _____ %   OF   12   =   3.84   ⟹   32%   OF   12   =   3.84

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

$$12\overline{)3.84}$$

SHOW YOUR WORK

$$\begin{array}{r} .32 \\ 12\overline{)3.84} \\ -36\downarrow \\ \hline 024 \\ -24 \\ \hline 00 \end{array}$$

.32. = 32%

FILL IN THE EMPTY SPACE.

1. __53%__ OF 18 = 9.54
   $$18\overline{)9.54}$$

2. __8%__ OF 20 = 1.6

3. __24%__ OF 32 = 7.68

4. __97%__ OF 10 = 9.7

5. __61%__ OF 14 = 8.54

6. __15%__ OF 56 = 8.4

7. __42%__ OF 21 = 8.82

8. __50%__ OF 18 = 9

9. __88%__ OF 11 = 9.68

10. __25%__ OF 32 = 8

11. __73%__ OF 12 = 8.76

12. __19%__ OF 43 = 8.17

13. __99%__ OF 4 = 3.96

14. __32%__ OF 17 = 5.44

15. __75%__ OF 12 = 9

16. SAM GOT 24 OUT OF 30 PROBLEMS CORRECT ON HIS TEST. WHAT PERCENT DID HE GET CORRECT?

   80%

17. RANDY CLIMBED 200 FEET UP A CLIFF. IT'S 500 FEET HIGH. WHAT PERCENT HAS HE CLIMBED SO FAR?

   40%