

## 5.6 (pg.226)

# Find Percent of a Number



Ex. There are 300 soccer players at a Holiday Tournament. 15% of the players are from Viera. How many are from Viera?

-The problem becomes:  
What is 15% of 300?



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ONE

Turn the % into a decimal.

TWO

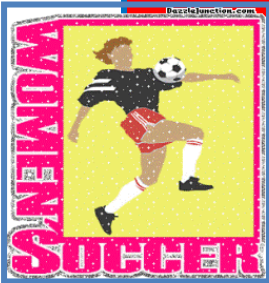
Turn "OF" into multiplication.

THREE

**Multiply!**

(See lesson 2.5)

3 Simple Steps!

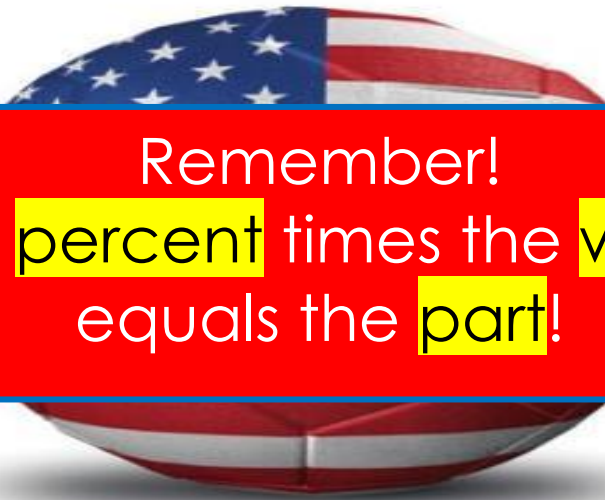


15% of 300

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ 0.15 & \times & 300 = 45 \end{array}$$

So 45 kids are from Viera.





Remember!  
 The percent times the whole  
 equals the part!

- 1) 20% of 70
- 2) 180% of 90
- 3) 275% of 4
- 4) 0.6% of 36



**DO NOT FAIL.**

5) Ally played 72 games over the last 3 years. 25% of those games were wins. How many games did she win?

Finding the Whole:

Ex: 75% of what number is 48?



Either use fractions or decimals to solve.

Using Decimals:  $48 \div 75\% =$   
 $48 \div 0.75 = 64$

Using Fractions:  $48 \div \frac{3}{4} =$   
 $\frac{48}{1} \times \frac{4}{3} = 64$

Part ÷ Percent = Whole