

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?



S
T
E
P
S

ONE

Turn the % into a decimal.

TWO

Turn "**OF**" into multiplication.

THREE

Multiply!

(See lesson 2.5)



3 Simple Steps!

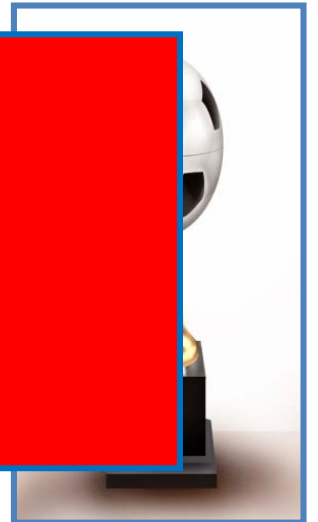
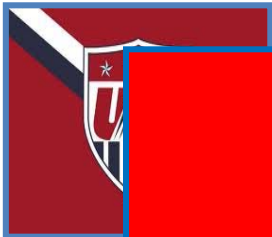


15% of 300



$$0.15 \times 300 = 45$$

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?



Step 1: Write the percent as a fraction (simplify).

Step 2: Divide the part by the fraction.

$$\begin{aligned} 48 \div 75\% &= 48 \div \frac{3}{4} \\ &= 48 \times \frac{4}{3} \\ &= 64 \end{aligned}$$

Part \div Percent = Whole