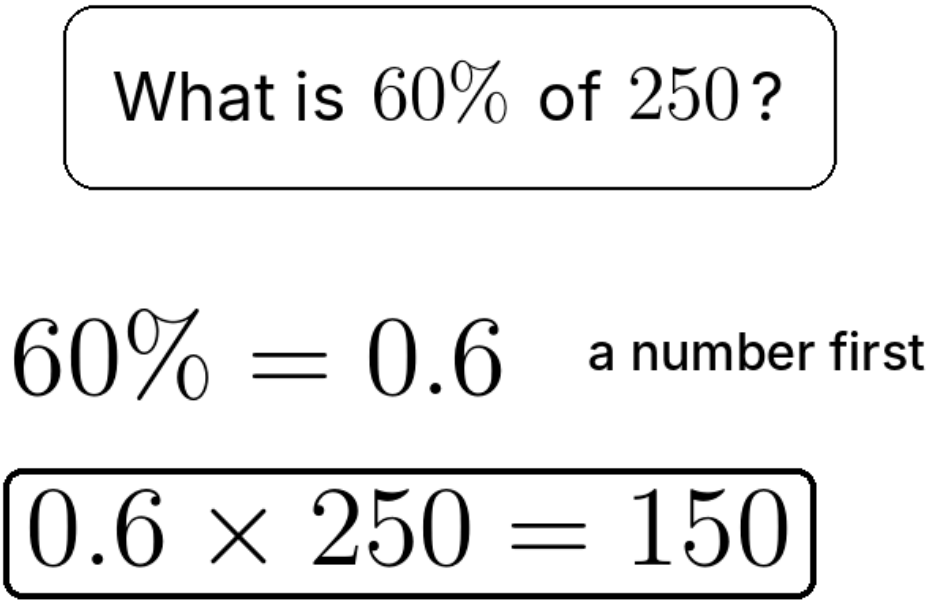
The Percent Equation, Part 1

RP14-V1 · storyboard · RP14 The percent equation. Read each picture with its sentences.

Picture 1



1. What is 60 percent of 250?
2. Turn the percent into a number first: 60 percent is 0.6.
3. Of means times: 0.6 times 250 is 150.

Picture 2

Trap 60% of 250

$\times\ 60 \times 250 = 15\,000$

$\checkmark\ \ 0.6 \times 250 = 150$

4. Watch for the trap: using the percent as it is.
5. 60 times 250 is 15 thousand, far too big.
6. Use 0.6.

Picture 3

48 is what percent of 240?

$$\frac{\text{part}}{\text{whole}} = \frac{48}{240}$$ the whole comes after "of"

$$\frac{48}{240} = \frac{1}{5} = 0.2$$

$$= \boxed{20\%}$$

7. 48 is what percent of 240?
8. The whole is 240, the number after of.
9. It goes underneath.
10. 48 over 240 is one fifth, 0.2.
11. 0.2 times 100 gives the percent: 20 percent.

Picture 4

Trap 48 is what percent of 240

$$\times \quad \frac{240}{48} = 500\%$$

$$\checkmark \quad \frac{48}{240} = 20\%$$

12. Watch for the trap: the wrong number as the whole.
13. 48 is less than 240, so the answer must be less than 100 percent.