

# FEBRUARY 6, 2012

MTR

GET OUT BLUE WS1 FROM FRIDAY



## 2/6 - Percent Equations: finding a part of a whole

*What number is 25% of 80?*

**Old way:**

$$\frac{\text{is}}{\text{of}} = \frac{\%}{100}$$

*"is" means "equal"*

*"of" means "times"*

**New way:**

*What number is 25% of 80?*

$$n = (.25)(80)$$

$$0.25 \times 80 = 20$$

What is 21% of 76?

$$n = .21 \times 76$$

$$n = 16$$

$$0.21 \times 76 = 15.96$$

↑  
Round  
up

What is 3% of 132?

$$n = .03 \times 132$$

$$n = 4$$

$$0.03 \times 132 = 3.96$$

↑

320% of 150 is what?

$$3.2 \times 150 = n$$

$$480 = n$$

$$3.2 \times 150 = 480$$

What is 54% of 150?

$$n = .54 \times 150$$

$$n = 81$$

$$0.54 \times 150 = 81$$

What is 71% of 84?

$$n = .71 \times 84$$

$$n = 59.6$$

$$0.71 \times 84 = 59.64$$

↑  
rounds  
down

What is 96% of 133.5?

$$n = .96 \times 133.5$$

$$n = 128.2$$

$$0.96 \times 133.5 = 128.16$$

↑  
Round  
up

# HOMEWORK

Blue PERCENTS WS2

DUE Wednesday