

Key

Finding the Part (6.RP.3c)

* may use calc. but MUST SHOW WORK like below!

Vocabulary

Percent - a ratio that compares a number to 100.

Part (is) - a small section of the item

Whole (of) - the entire item

WORK like below!

is (part)
of (whole)

Finding the Part

Option 1: Scale (if possible)

Option 2: Cross-Products (Cross Multiply and Divide)

Guided Practice

Find the Part.

put % over 100
whole (bottom)

1.) 10% of 60 is

(scale)

$$\frac{10}{100} = \frac{1}{10} = \frac{6}{60}$$

↑ simplify (if needed)

2.) 12% of 50 is

(scale)

$$\frac{12}{100} = \frac{3}{25} = \frac{6}{50}$$

3.) What is 15% of 36?

(cross-products)

$$\frac{15}{100} = \frac{?}{36}$$

$$15 \times 36 = 540$$

$$540 \div 100 = 5.40$$

4.) What is 75% of 90?

(cross-products)

$$\frac{75}{100} = \frac{?}{90}$$

$$75 \times 90 = 6750$$

$$6750 \div 100 = 67.50$$

5.) Is the percentage the part or the whole of the problem?

part
(100% is the whole)

Partner Talk

What is 80% of 80?

(scale)

$$\frac{80}{100} = \frac{8}{10} = \frac{64}{80}$$

(cross-products)

$$\frac{80}{100} = \frac{?}{80}$$

$$80 \times 80 = 6400$$

$$6400 \div 100 = 64$$

Rate Yourself - Are you ready to move on? Shade the section that applies.

YES ? NO