

Lesson 21 Assessment

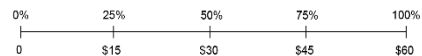
Working with Percents

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Determines a part given its percent and the whole

25% of \$60 is ____.

I used a number line.



25% of \$60 is \$15.

Determines a percent given its quantity and the whole

____% of 75 is 30.

I used benchmarks and mental math.

100% is 75.

10% is 7.5.

Since $4 \times 7.5 = 30$, 40% of 75 is 30.

Determines a whole given a quantity and its percent

75% of ____ is 30

I used equivalent fractions.

$$\frac{75}{100} \div \frac{5}{5} = \frac{15}{20}$$

$$\frac{15}{20} \times \frac{2}{2} = \frac{30}{40}$$

So, the whole is 40.

75% of 40 is 30.

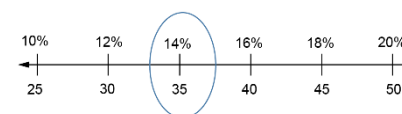
Solves a problem involving percents from 1% to 100%

In a survey, 250 people were asked which is their favourite fruit.

35 people said bananas.

What percent of people said bananas?

"I can use a number line."



10% of 250 is 25.

20% of 250 is 50.

14% of 250 is 35.

So, 14% of people said bananas were their favourite fruit.

Observations/Documentation