

Lesson 5-5 : Understanding percents

SWBAT: Model percents and write percents using equivalent ratios.

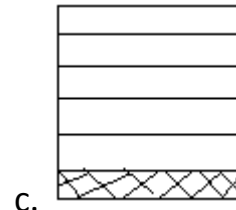
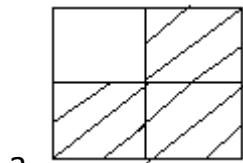
Percent:

A percent is a ratio that compares a number to _____. Can be written as a fraction.

Ex: $28\% = \frac{28}{100}$, $10\% =$, $5\% =$

- Finding a percent using models –
 - o Set up the ratio next to the percent ratio of _____ and solve to find the missing value/percent.

Ex: Write a ratio and percent for each shaded area.



Word problems:

- First, you have to find out what the problem is asking and write down the word ratio!

Ex: You take a quiz that has 20 questions and get 3 wrong. What percent did you get?

- We first need to know the number of questions we got _____.
- $\frac{\text{Correct}}{\text{Total}} = \frac{17}{20}$ - Now we will need to put it next to the percent ratio.
- $\frac{17}{20} = \frac{x}{100}$ - You can either cross multiply to solve or find the equivalent ratio to solve

A tennis team played 25 games and won 20 of them. What percent of the games did they win?

Your class has 12 boys and 13 girls. What percent of the students are girls?