

Math Practice Sheets

Working with Percents

Student Name



Examples

Practice Questions

Extra Challenge Unit

**Unit
19.1**

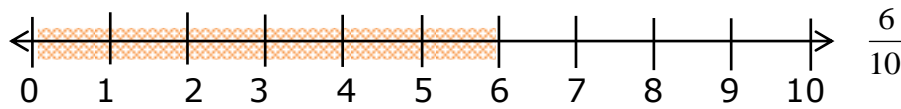
Working with Percents

Example

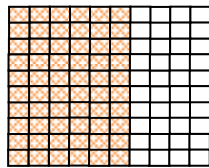
A percent is a special kind of ratio in which the first term is compared to one hundred. The percent represents the part of whole in hundredths.

Example: 6 out of 10 pencils are red. Find the percent of red pencils.

Make a number line to model the percent.



Also, we have by proportion $\frac{6}{10} = \frac{x}{100} \Rightarrow 10x = 600 \Rightarrow x = 60$
 Similarly, by only grid we can show



The total colored part of grid is 60.

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

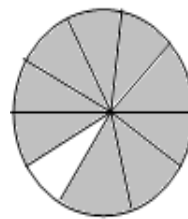
Exercise

1. Find the percent of each of the following figures is shaded.

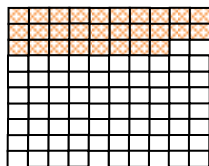
a)



b)



c)



d)

