

Name: .....

Level 10  
Unit 25.1**Working with Percents**Complete 2 pages (195 - 196) within  
6 minutes with > 95% accuracy.

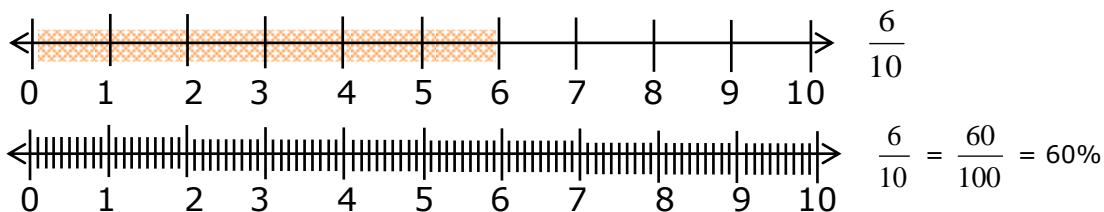
Time Taken:..... Total Score:.....

**Example**

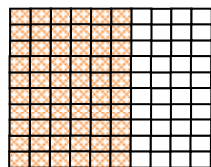
A percent is a special kind of ratio in which the first term is compared to one hundred. The percent represents the part of whole in hundredths.

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.

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

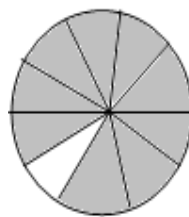
**Exercise**

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

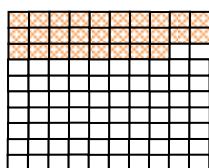
a)



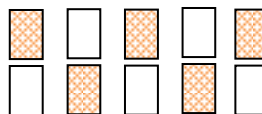
b)



c)



d)



2. If 4 out of 5 pencils are red, what will be the percent of red pencils?

3. Explain why tenths, fifths, and fourths are easy to change to percents.

4. Write the percent for the shaded part of each of the following figures.

