

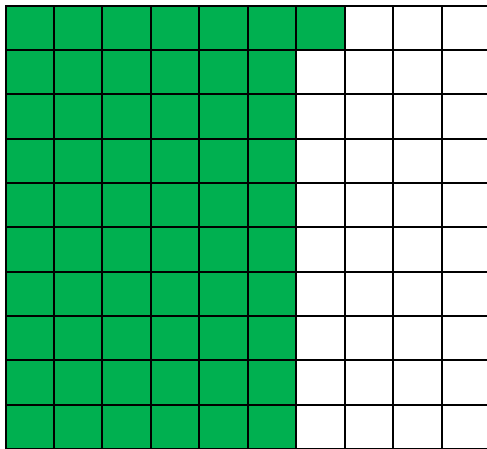
What is a Percent? (10-8)

Objective: You've used ratios throughout this chapter. Now you will compare the ratio of a number to 100.

Percent: A ratio meaning “out of 100.” For example, 50% means “50 out of 100.” The percent is the number of hundredths that the part is equal to. Percents, decimals and fractions are often converted to each other.

How It's Used: Accountants use percents in circle graphs to represent sources of a company's income.

Example #1: Give the percent of each figure that is shaded:

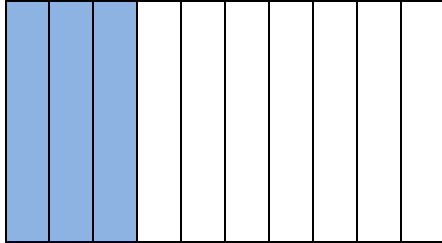


61 out of the 100 squares are shaded. The shaded area could be written as a fraction: $\frac{61}{100}$,

as a decimal: .61,

or as a percent: 61%.

Example #2: The shaded portion represents of the world's bird species that live in rain forests. What percent of the bird species live in rain forests?



Give the percent of each figure that is shaded:

As a fraction:

As a fraction with a denominator equal to 100:

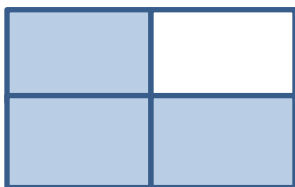
As a decimal:

As a percent:

*Each shaded section is $\frac{1}{10}$, or .10, or 10% of the figure. Three sections are shaded, so the percent is 3 x 10%, or .30, or 30%.

YOU TRY: Give the percent of each figure that is shaded:

1.



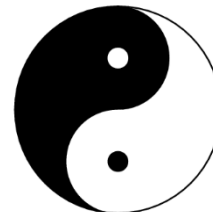
Fraction:

Fraction with a denom of 100:

Decimal:

Percent:

2.



Fraction:

Fraction with a denom of 100:

Decimal:

Percent: