

There are 8 boys and 7 girls in a class. What percent of the class are girls?

$$\text{Set up a ratio of } \frac{\text{girls}}{\text{total students}} = \frac{7}{15}$$

Then convert the fraction (ratio) into a percent by first dividing.  $7 \div 15 = .4\bar{6}$

Multiply the decimal by 100 to convert into a percent.  $.4\bar{6} \times 100 = 46.\bar{6}\%$  or  $46\frac{2}{3}\%$

Each person surveyed had to answer yes or no. 50 out of 150 answered yes. What percent answered no?

$$\text{Set up a ration of } \frac{\text{no}}{\text{total}} = \frac{100}{150}$$

Then divide the ration to get a decimal.  $100 \div 150 = .\bar{6}$

Multiply by 100 to convert into a percent.  $.\bar{6} \times 100 = 66.\bar{6}\%$  or  $66\frac{2}{3}\%$