GOAL

LEARN HOW TO...
- write a percent
- relate fractions, decimals, and percents

AS YOU...
- compare samples that have different sizes

KEY TERM
- percent

Exploration 2

Writing Percents

SET-UP
You will need Labsheets 2C and 2D.

Describing with Percent If you predicted that 62 out of the 100 cards are mammals at the end of Exploration 1, then you predicted that 62 percent of the cards are mammals. Percent means "per hundred" or "out of 100."

You can write your prediction as:

\[
\frac{62}{100} \text{ of the cards are mammals,}
\]

or

0.62 of the cards are mammals,

62% of the cards are mammals.

62% can also be represented by shading 62 squares on a 100-square grid.

12 a. Write the number of unshaded squares in the grid above as a percent. 38%

b. If you combine the shaded and unshaded squares in the grid above, what percent of the grid do you have? 100%

c. Write the percent you found in part (b) as a fraction and as a decimal. \(\frac{100}{100}\) or 1.00 or 1

QUESTION 13

...checks that you can write a percent as a decimal and as a fraction.

13 Use Labsheet 2C. Follow the directions on the labsheet for Relating Fractions, Decimals, and Percents.

a. \(\frac{76}{100}\), 0.76, 76%

b. \(\frac{32}{100}\), 0.32, 32%