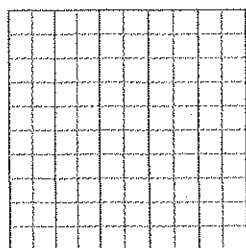


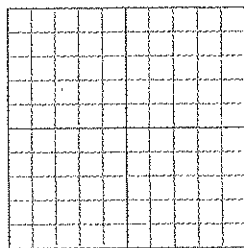
# Percents and Fractions

1. For each sport, shade a  $10 \times 10$  grid that represents the number of students that chose the sport.

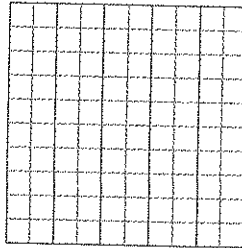
**Basketball:** 3 out of 20



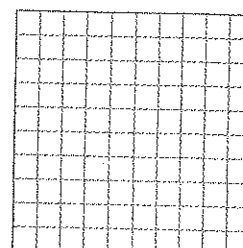
**Football:** 3 out of 25



**Gymnastics:** 1 out of 20



**Swimming:** 9 out of 100



2. What fraction with a denominator of 100 to represent the number of students who chose each sport?

Basketball:  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

Football:  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

Gymnastics:  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

Swimming:  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$

## Guided Practice

Write each percent as a fraction in simplest form. (Examples 1–3)

1.  $15\% = \frac{\phantom{00}}{\phantom{00}}$

2.  $80\% = \frac{\phantom{00}}{\phantom{00}}$

3.  $33\% = \frac{\phantom{00}}{\phantom{00}}$

Show your work.

Write each fraction as a percent. Use a model if needed. (Example 4)

4.  $\frac{3}{10} = \phantom{\%}$



5.  $\frac{3}{20} = \phantom{\%}$

6.  $\frac{2}{5} = \phantom{\%}$

7. Elsa ran 7 out of 10 days. What percent of the days did she run? (Example 5)
- \_\_\_\_\_

# Independent Practice

Write each percent as a fraction in simplest form. (Examples 1–3)

1.  $2\% =$  \_\_\_\_\_

Show your work.

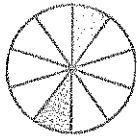
2.  $20\% =$  \_\_\_\_\_

3.  $85\% =$  \_\_\_\_\_

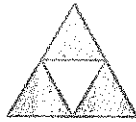
4.  $4\% =$  \_\_\_\_\_

Write each fraction as a percent. Use a model if needed. (Example 4)

5.  $\frac{2}{10} =$  \_\_\_\_\_



6.  $\frac{3}{4} =$  \_\_\_\_\_



7.  $\frac{7}{20} =$  \_\_\_\_\_

8.  $\frac{11}{25} =$  \_\_\_\_\_

9. During his workout, Elan spent 28% of the time on the treadmill. What fraction of his workout was on the treadmill? (Examples 1–3)
- \_\_\_\_\_

10. A survey showed that 82% of youth most often use the Internet at home. What fraction of youth surveyed most often use the Internet somewhere else?
- \_\_\_\_\_

12. Cedro collects state quarters. He has 42 out of 50 available quarters. What is 42 out of 50 as a percent?
- \_\_\_\_\_

31. **STEM** The circle graph shows the fraction of each type of weather during September.

- a. What percent of the days were sunny? \_\_\_\_\_
- b. What percent of the days were rainy? \_\_\_\_\_
- c. What percent of the days were sunny or rainy? \_\_\_\_\_
- d. What percent of the days were cloudy or partly cloudy? \_\_\_\_\_

Weather During September

