Name_____ Date _____

5.5 Practice A

Use a 10-by-10 grid to model the percent.

1. 5%   **2.** 45%   **3.** 52%   **4.** 27%

Write the percent as a fraction or mixed number in simplest form.

5. 20%   **6.** 25%   **7.** 65%   **8.** 44%

9. 32%   **10.** 9%   **11.** 250%   **12.** 120%

13. Describe and correct the error in writing 8% as a fraction.

$$\times \quad 8\% = \frac{8}{10} = \frac{4}{5}$$

Write the fraction or mixed number as a percent.

14. $\dfrac{6}{25}$ **15.** $\dfrac{3}{20}$ **16.** $\dfrac{7}{10}$ **17.** $\dfrac{3}{4}$

18. $\dfrac{9}{50}$ **19.** $\dfrac{12}{25}$ **20.** $1\dfrac{3}{5}$ **21.** $2\dfrac{4}{25}$

22. Describe and correct the error in writing $\dfrac{39}{40}$ as a percent.

$$\times \quad \frac{39}{40} = 0.975 = \frac{9.75}{100} = 9.75\%$$

23. Of the students in your class, 25% walk to school. What fraction of the students walk to school?

24. At the age of 4 months, a puppy's weight is 275% of its weight at the age of 2 months. How many times heavier is the puppy at 4 months than at 2 months? Write your answer as a mixed number in simplest form.

Find the percent.

25. 4 is what percent of 10?   **26.** 11 is what percent of 40?

27. Four out of every five visitors at an amusement park buy day passes. What percent of the visitors buy day passes?

28. Only 6 of the 75 trees in a park are at least 30 feet tall. What percent of the trees are under 30 feet tall?

Write a fraction and a percent to represent the shaded portion of the model.

29.   **30.**   **31.**