

**Pre-Algebra Homework 6 Quiz** First Name \_\_\_\_\_ Last \_\_\_\_\_

1. Everett has a bag with 7 green marbles, 5 blue marbles, and 8 red marbles. Find the probability of drawing a green marble. Write your answer as a **fraction**, as a **decimal**, and as a **percent**.

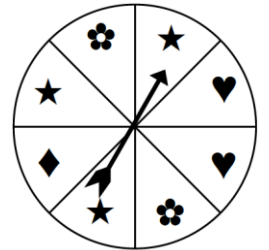
2. Mathis ordered a pizza for dinner. When it arrived, Mathis quickly ate  $\frac{1}{4}$  of the pizza. While Mathis was getting napkins, his pet poodle ate  $\frac{1}{3}$  of the pizza. What fraction of his pizza is left?

3. Approximately 3 out of every 25 Americans live in California. About 3 out of every 50 Americans live in New York, and about 2 out of every 25 Americans live in Texas.

- a) What percent of Americans live in California?                      b) What percent of Americans do *not* live in New York?

4. Alina is making a spinner game for her cousins to play. She has divided it into 8 equal sections, and has labeled each section with a symbol.

a) What is  $P(\heartsuit)$ ? Express your answer as a fraction, as a decimal, and as a percent.



b) If Alina's cousins spin 40 times, about how many times would you expect them to spin a  $\blacklozenge$ ?

5. Complete each portion web.

a)  $7\%$

b)  $0.9$

Answers on next page.





## Answers

1.  $\frac{7}{20}$  0.35 35%

2.  $\frac{5}{12}$

3. a) 12%      b) 94%

4. a)  $\frac{1}{4}$  or  $\frac{2}{8}$ , 0.25, 25%    b) 5 times

5. a)  $\frac{7}{100}$   7%      0.07      b)  $\frac{9}{10}$   0.9      90%