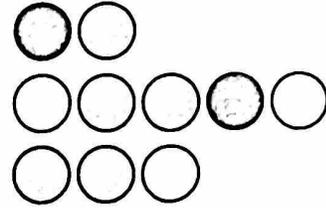


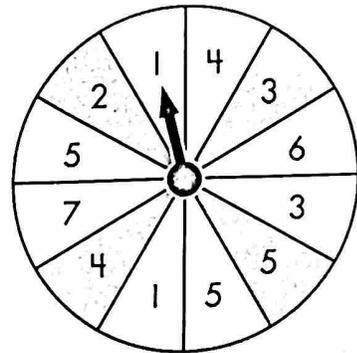
# Lesson 1.2 Calculating Probability

Determine the probability for each of the following events. Write answers as fractions in simplest form.

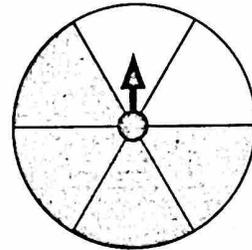
1. drawing a gray marble  $\frac{1}{2}$
2. drawing a white marble  $\frac{3}{10}$
3. drawing a black marble  $\frac{1}{3}$
4. drawing either a gray or a black marble  $\frac{4}{10}$



5. spinning a gray section  $\frac{1}{3}$
6. spinning a 4  $\frac{1}{6}$
7. spinning a 1  $\frac{1}{6}$
8. spinning either a 4 or 5  $\frac{5}{12}$
9. spinning an even number  $\frac{1}{3}$



10. spinning a red section  $\frac{1}{3}$
11. spinning a blue section  $\frac{2}{6}$
12. spinning a yellow section  $\frac{1}{6}$



A jar contains 25 pennies, 20 nickels, and 15 dimes. If someone picks one coin without looking, what are the chances that they will pick the following:

13. penny  $\frac{5}{12}$
14. nickel  $\frac{1}{3}$
15. dime  $\frac{1}{4}$