Section 4-5: Probability

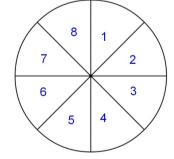
Probability: The measure of how likely it is something

is going to happen.

Probabilities can be given as:

Ratio Percent Decimal

You will spin the spinner shown one time. Find each probability as a fraction.



Two types of Probability:

Theoretical Probability

Uses your knowledge of the situation to predict the future outcome of an event.

Theoretical = Probability = # favorable outcomes total possible outcomes

Experimental Probability

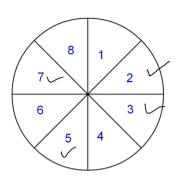
Uses the results of an experiment to predict the future outcome of an event.

Experimental \equiv #times an event actually occurs Probability # times experiment was done

A survey was conducted and the results are shown below. Find each probability as a fraction.

	Baseball	Football	Basketball	Hockey	Total
Men	43	57	60	12	172
Women	29	41	28	30	128
Total	72	98	88	42	300

7. P(prime #)=
$$\frac{4}{8}$$



8. P(Factor of 6 and odd)=
$$\frac{2}{8}$$

