Probability

Mrs. Jones' class decided to have a probability booth at the annual Fall Festival. One of the games had five cards that were turned over and shuffled. These cards are shown below. What are the chances of drawing a card with an oval on it? $\frac{2}{5}$ because there are two cards with ovals on them. What is the probability of drawing a yellow card with an oval on it? Only $\frac{1}{5}$ because there is only one yellow card with an oval on it.

When looking at probability problems, there are many things which can determine, or change the outcome. An outcome is the result of a probability experiment.

Look at the cards again. What are the chances of drawing a blue or red card? There are two blue cards and one red card, so the probability is $\frac{3}{5}$. But what would the probability of drawing a blue or red card with a rectangle on it? Then the probability would only be $\frac{2}{5}$.

What is the probability of drawing a card with a black figure on it?

All of the cards have black figures on them, so the answer would be $\frac{5}{5}$.

1 Use the diagrams to answer the questions.

The letters to the word *Christian* are placed in a bag and one letter is pulled out at a time. What is the probability of getting a vowel?

What are the chances of getting a consonant?

What is the probability of choosing a vowel on a pink background?

What is the probability of choosing a consonant on a blue background?

Some games use dice to determine the spaces a player moves.
If you roll one die what is the probability of landing on an even number?

What is the probability of landing on the number:

one _____ four _____ three _____ ?

What are all the individual outcomes when rolling one die?