

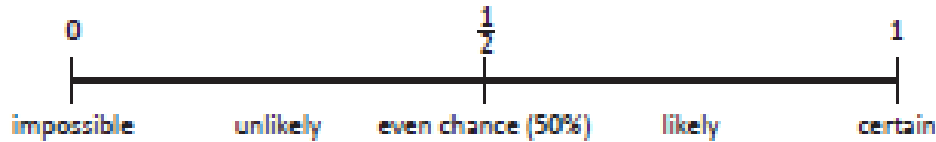
## Chance and probability – ordering events

Probability measures how likely something is to happen.

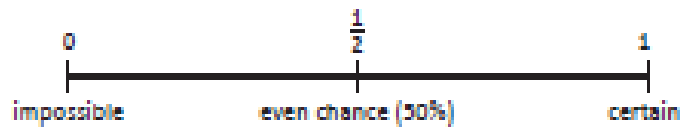
An event that is certain to happen has a probability of 1.

An event that is impossible has a probability of 0.

An event that has an even or equal chance of occurring has a probability of  $\frac{1}{2}$  or 50%.

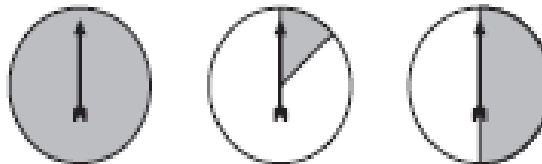


- 1 Are these events impossible, certain or an even chance? Complete this table.  
The first one has been done for you.



Event	Probability
The month after June will be February.	<i>impossible</i>
You will get an odd number when you roll a single die.	
The year after 2010 will be 2007.	
When you flip a coin it will land on tails.	
The day after Saturday will be Sunday.	

- 2 Draw a line to match each spinner with the correct statement:

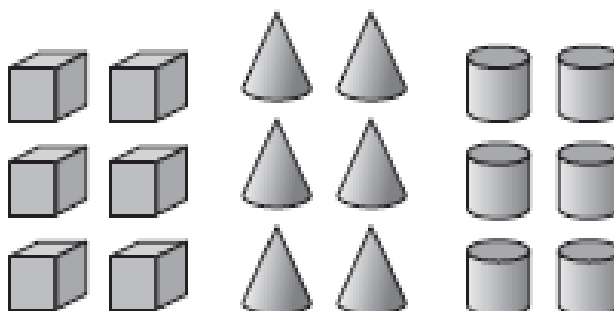


It is unlikely that this spinner will stop on grey.

It is certain that this spinner will stop on grey.

There is an even chance that this spinner will stop on grey.

- 3 Matilda has these blocks:



cubes

cones

cylinders

Matilda is going to put 9 blocks in a bag using some of each type and then ask a friend to choose one without looking. If she wants to make it more likely that a cylinder is chosen and less likely that a cube is chosen, how many of each block should she place in the bag? Circle the blocks she could choose.