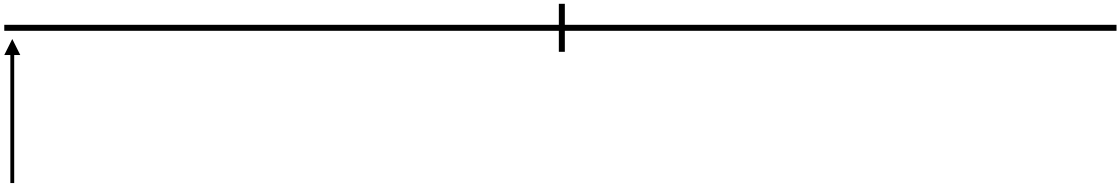
1. Draw out this probability scale and put the following events on it in the right places. One has been done for you.

No chance | Poor chance | Even chance | Good chance | Certain



Catch a whale with a normal fishing rod.

a) Catch a whale with a normal fishing rod.

b) A giraffe giving birth to a lion.

c) Choosing a letter of the alphabet at random and it being a consonant.

d) Choose a Maths Rat at random and it being Divvy or Multi.

e) Choose a number from **one** to **ten** at random. The probability of it being seven or greater.

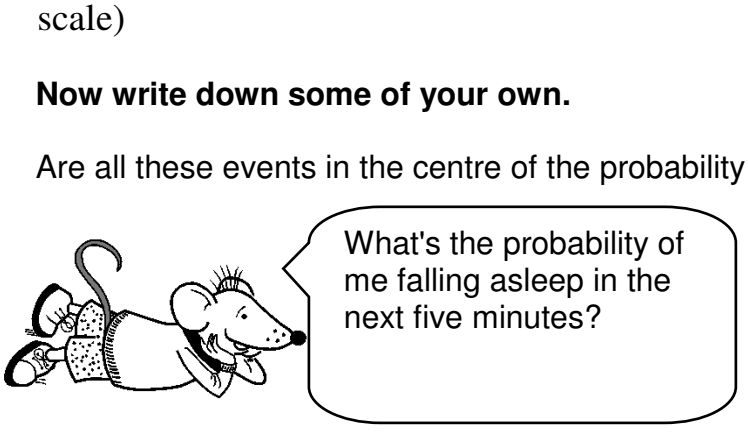
f) A person in your class being more than **140**cm tall.

2. Can you write down some events that only have two outcomes? Choose one of the outcomes and put this on the probability scale.

Eg. Choose a factor of **16** at random. What is the probability of this factor being **even**?
The factors of **16** are **1**, **2**, **4**, **8** and **16**, so the probability of one of these chosen at random being **even** is high (near the 'certain' on the probability scale)

Now write down some of your own.

Are all these events in the centre of the probability scale?



5701-04 Probability (pg 4) Answers

1. **a)** Almost no chance
b) No chance
c) Good chance
d) Even chance (There are four Maths Rats - Addy, Subby, Multy and Divvy)
e) Poor chance
f) Depends on class.

2. These events are unlikely all to be in the centre of the probability scale. Children should realise that just because there are two possible outcomes to an event, they are not necessarily equally likely.