

# Busy at Maths 6 - Sixth Class

180 of 186

## Chance

1. Aaron's uncle has promised to do **one** special activity with him next Saturday. He has suggested the following activities from which Aaron must choose. Aaron's uncle placed the activity names in a box. Aaron then had to choose an activity from the box while blindfolded.

- swimming
- bowling
- tennis
- archery
- football

- (a) There is a  in  chance they will go swimming.
- (b) Write the probability of them going swimming as a fraction.
- (c) What is the probability of one of their activities involving a ball?  in
- (d) Write this probability as a fraction.
- (e) Imagine you were given the same five choices. Copy the following probability line into your copybook and place the activities on it in order, according to your preference.



2. Six friends were arguing over how to spend their Saturday afternoon. They decided to each write their preference on a card. The cards were then placed in a jar. They all agreed that they would take part in the first activity to be chosen **at random** from the jar!



- (a) The chance of them going to the shopping centre is  in .
- (b) Write this probability as a fraction.
- (c) There is a  in  chance that the friends will go to the cinema.
- (d) Express this probability as a fraction.
- (e) What is the probability that all these activities will be free of charge?  in
- (f) What is the probability that they will **not** go to the cinema?  in
- (g) What is the probability that they will go ice-skating?  in

3. Write the probability of picking a yellow cube from the following jars while blindfolded.

(a)

:  or

(b)

:  or

(c)

:  or

(d)

:  or