

Master Maths 7 Worksheet 71

Probability 1

71

Name: _____

1. For the events below choose from the following alternatives the best description of the probability that they will occur.

- A** Impossible
- B** Very unlikely
- C** Unlikely
- D** Could go either way equally
- E** Likely
- F** Very likely
- G** Certain

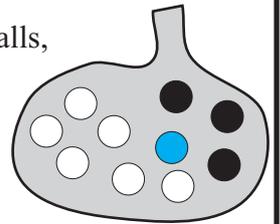
- (a) It will snow in Fiji tomorrow.
- (b) If a card was drawn from a deck it will be the ace of hearts.
- (c) If a card was drawn from a deck it will be a club.
- (d) If a card was drawn from a deck it will be a red card.
- (e) The Sun will rise tomorrow.
- (f) If a coin is tossed it will come up heads.
- (g) If a person was selected at random they would be left-handed.
- (h) Your Mathematics teacher will tell a joke in the next class.
- (i) Your Mathematics teacher will tell a funny joke in the next class.
- (j) There is life on Mars.
- (k) A world record will be broken at the next Olympic Games.
- (l) If you dropped an egg it would break.
- (m) If you dropped an egg it would not break.
- (n) If you had a shot at goal in netball you will score a goal.
- (o) It will rain on the Moon tomorrow.

2. For which of the following situations are the possible outcomes:

- A** equally likely
- B** not equally likely

- (a) A bag contains three black balls and three white balls. A ball is chosen at random.
- (b) A bag contains two black balls and four white balls. A ball is chosen at random.
- (c) A six sided die is rolled.
- (d) The maximum temperature tomorrow will be less than 30°C, 30°C or above 30°C.
- (e) A student is randomly chosen from a class with 12 girls and 13 boys. Is the student a boy or a girl?

3. A bag contains six white balls, three black balls and one blue ball. A ball is drawn at random.



- (a) What is the **most** likely colour of this ball?
- (b) What is the **least** likely colour of this ball?

4. A bag contains two white balls, five black balls, seven red balls and one blue ball. One ball is chosen at random from the bag. List the colours in order from the least likely to the most likely to be drawn.

<i>least likely</i>			<i>most likely</i>