## PROBABILITY

## <u>MNU 3 22 - a</u>

I can find the probability of a simple event happening and explain why the consequences of the event, as well as its probability, should be considered when making choices.

## Pupils should be able to:

- use appropriate words (likely, impossible etc.) to describe the probability of an outcome
- list the possibility of an outcome
- know probability is a measure of chance between 0 and 1 and can be expressed as a fraction or as a decimal
- be able to calculate the probability of a simple event happening
- estimate probabilities, then compare to actual probabilities of a practical situation e.g. sweets in a bag

PUPILS SHOULD COMPLETE THE FOLLOWING EXERCISE AND ASSESS THEIR PROGRESS BY TICKING ONE OF THE OPTIONS FOR EACH TOPIC IN THE TABLE BELOW

	DEVELOPING	CONSOLIDATING	SECURE
Use appropriate words to			
describe an outcome			
QUESTIONS 1-2			
Calculate the probability			
of an outcome			
QUESTIONS 3-5			
Use probability to			
estimate frequency			
QUESTION 6			

Mymaths lessons: library/data/probability/ probability intro /simple probability /listing outcomes /relative frequency /probability revision

## SELF EVALUATION EXERCISE

1. Place the following words at the appropriate place above the probability

line:

Likely, Certain, Impossible, Evens, Unlikely.



2. Use arrows to point to the appropriate place on the above number line place for the following events:

(a) The sun will rise tomorrow

- (b) Dundee will win the Scottish Cup
- (c) A Twilight film will be entertaining
  - (d) Tomorrow will be Sunday
- 3. If I toss a coin what is the probability that it will land on heads?

P(H) =

4. If I roll a dice what is the probability that it will that it land on a number that ends in a vowel?

- 5. In a bag there 6 blue, 4 yellow and 3 red balls.
  - a) What is the probability that a ball removed at random is blue?

b) If the first ball removed is blue and is not replaced what the probability that the next ball removed is red?

6. If I toss a coin 100 times how many times would you expect to get a head?