

Probability

LO: To be able to give the probability of an event happening.

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1) Zone

2) The probability of picking a sweet out of a bag.

3) Practice questions.

4) The probability of other events.

5) Follow up work.

Blue Zone



Going slow

E.g. sad, sick, tired,
bored

Green Zone



Good to go

E.g. happy, calm,
focused, ok

Yellow Zone



Caution

Starting to lose control

E.g. worried, excited,
annoyed

Red Zone



Stop!

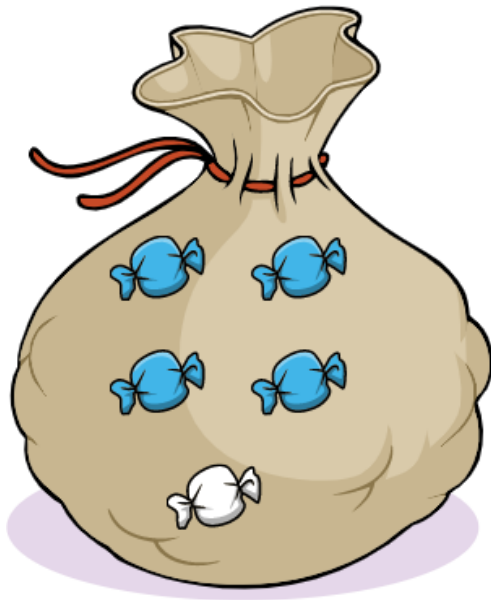
Out of control

E.g. angry, terrified,
elated

LO: To be able to give the probability of an event happening.

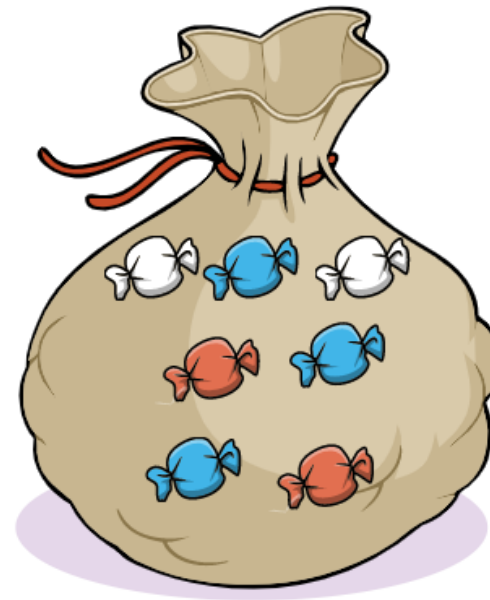
Explain to Miss McHardy how to workout ...

What is the probability of getting
each colour in these bags of sweets?



white =

blue =



white =

blue =

red =

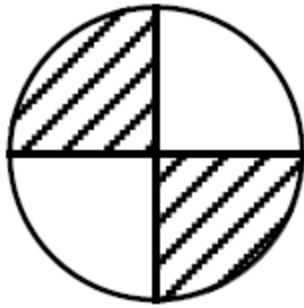
LO: To be able to give the probability of an event happening.

- 1). The following spinners are spun.
What is the probability of landing on the shaded section for each spinner ?

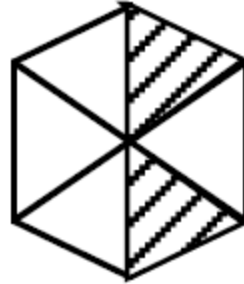
a).



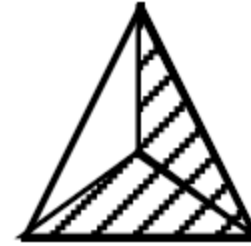
b).



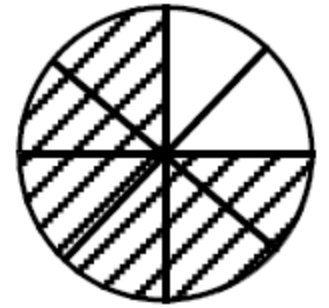
c).



d).

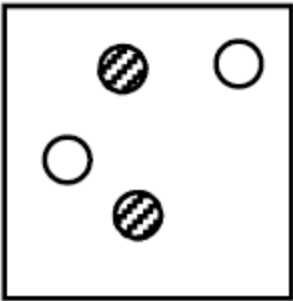


e).

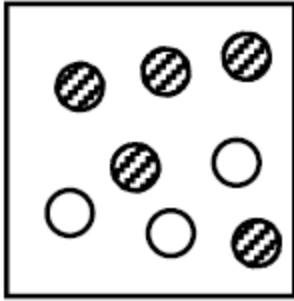


- 2). Counters are placed in a box. For each of the following boxes, find the probability of a shaded counter being drawn out of the box at random.

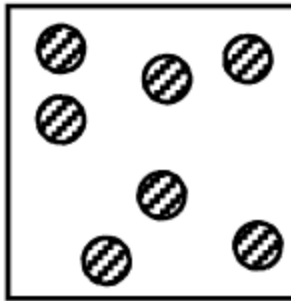
a).



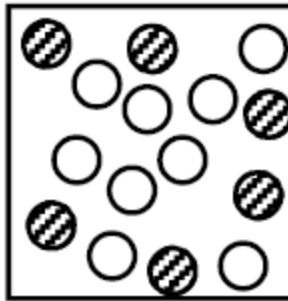
b).



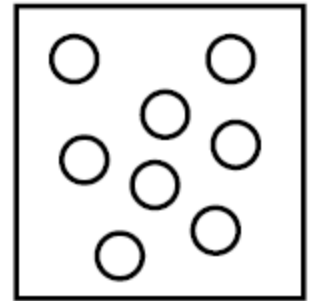
c).



d).



e).



LO: To be able to give the probability of an event happening.

There are 12 counters in a box numbered 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12. If one counter is drawn out at random, what is the probability that it is a counter :-

- a). with an odd number, b). greater than 4,

LO: To be able to give the probability of an event happening.

From the word

M A T H E M A T I C I A N

What is the probability of choosing

a) M

b) Vowel

c) M or T

LO: To be able to give the probability of an event happening.

From the biscuits



What is the probability of choosing

a) A custard cream?

a) A Bourbon?

b) Any chocolate biscuit?



LO - To be able to describe the probability of an event

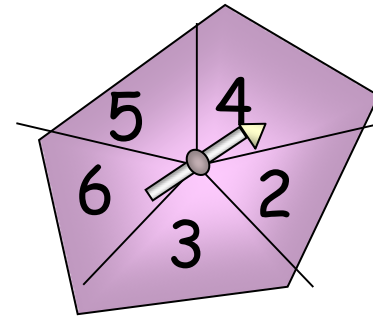
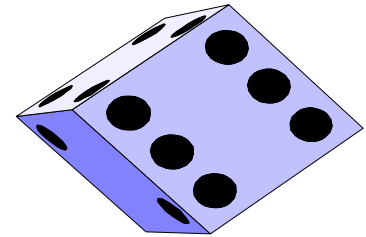
What is probability?

- How **likely** is something going to happen?
- What are the **chances** of an event happening?

LO - To be able to describe the probability of an event

In the language of probability, something that could or has happened is called an **event**. The following are all events:

1. A mother giving birth to a baby girl.
2. Getting a 6 when you throw a die.
3. Being born in March.
4. Winning the national lottery Jackpot.
5. Leaves falling off the trees in autumn.
6. Getting a 4 when you spin the pointer.



MARCH



Mathematical Vocabulary

We use the following words to describe the chance of an event happening:

IMPOSSIBLE

(It will never happen!!)

UNLIKELY

(It might not happen)

EVEN CHANCE

(It is equally likely that it will or will not happen)

LIKELY

(It might happen)

CERTAIN

(It will definitely happen)

Describe the probability that

....you will get married next week.

IMPOSSIBLE
UNLIKELY
EVEN CHANCE
LIKELY
CERTAIN

Describe the probability that

....you will watch TV this evening.

IMPOSSIBLE
UNLIKELY
EVEN CHANCE
LIKELY
CERTAIN

Describe the probability that

....the next match a football team plays
will be a home game.

IMPOSSIBLE
UNLIKELY
EVEN CHANCE
LIKELY
CERTAIN

Describe the probability that

....you will have a birthday next year

IMPOSSIBLE
UNLIKELY
EVEN CHANCE
LIKELY
CERTAIN

Describe the probability that

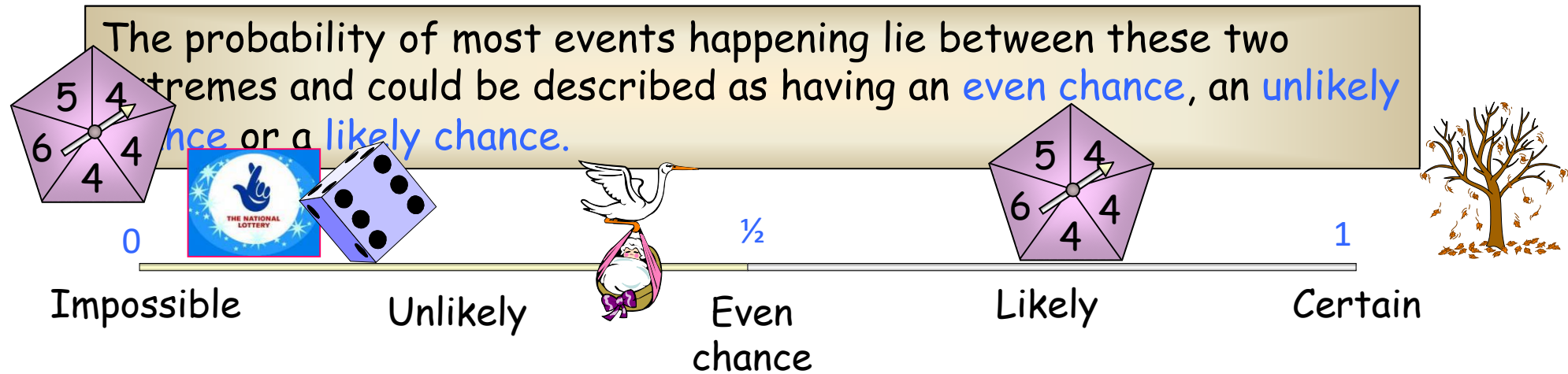
....you roll a dice and get a 6.

IMPOSSIBLE
UNLIKELY
EVEN CHANCE
LIKELY
CERTAIN

Describe the probability that

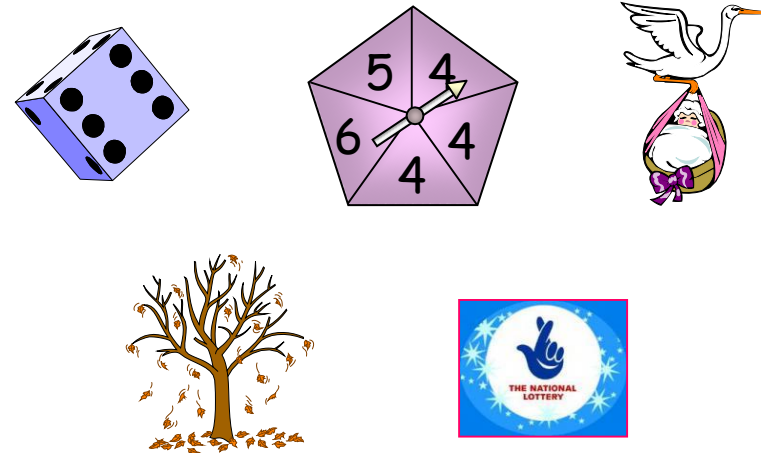
....the phone will ring this evening.

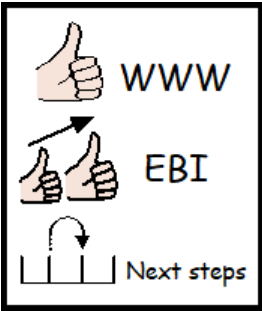
LO - To be able to place an event on the probability scale.



Describe the probability of each of the following events happening.

1. A mother giving birth to a baby girl.
2. Getting a 4 on the spinner.
3. Getting a 7 on the spinner .
4. Leaves falling off the trees in autumn.
5. Getting a 6 on the die.
6. Winning the National Lottery Jackpot.





LO: To be able to round to the nearest pound.

WWW

EBI

Blue Zone



Going slow

E.g. sad, sick, tired,
bored

Green Zone



Good to go

E.g. happy, calm,
focused, ok

Yellow Zone



Caution

Starting to lose control

E.g. worried, excited,
annoyed

Red Zone



Stop!

Out of control

E.g. angry, terrified,
elated

LO: To be able to round sums of money.

Follow up work

- 1) 2 x Word probability sheets.
- 2) Describe the probability sheet.

For ALL worksheets you can either print out and write your answers on, or write your answers on paper.

Please take pictures of your work and email to jo.gould@grangepark.kent.sch.uk