

Week beginning: 15th of June

Class and Subject: Maths **SEN Teacher:** Ms. Hogan



ST. PATRICK'S GIRLS NATIONAL SCHOOL
GARDINER'S HILL, CORK

Hi everyone,

This week we are continuing to learn about chance.

Watch example videos on how to do activities on the school website. Go to Ms Landers 6th class and find the video under Ms Hogan's name.

Do one box of Work it out each day

Monday

Chance deals with the possibility that something might or might not happen. Other words for chance are probability or likelihood.

Watch this video

<https://www.youtube.com/watch?v=QMpkm4dAB4w>

Type 'maths antics probability' into Youtube.

Chapter 33: Chance

Chance deals with the **possibility** that something might or might not happen. Other words for possibility are **probability** or **likelihood**.

impossible

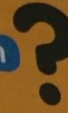
unlikely

certain

even chance

possible

likely



Write one of the labels from the list above for each of the following statements.

1. The 10th of May will fall on Thursday.

MAY						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2. Friday May 4th will fall after Saturday May 5th.

3. If you buy a lottery ticket, you will win a major prize.



4. If a drinking glass falls off a table, it will break.

5. Bernie will roll an even number.



6. Bernie will roll an odd number.

Answer each of these statements in the same manner as above.

Tuesday

Answer each of these statements in the same manner as above.

7. It will rain during the first week of January.

8. The school bus will not run tomorrow.



9. The next baby born in the maternity hospital will be female.

10. The Olympic Games will be held in London again.

11. When sharing a deck of cards equally among four people, each will get a picture card.



12. You will see penguins if you go on an Arctic expedition.

13. The next Taoiseach of Ireland will be a woman.

4. The season of spring comes immediately after winter.

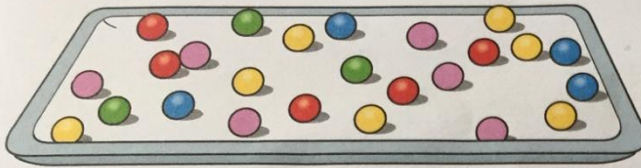
5. Ireland will win the next men's Rugby World Cup.

Activity: Write a statement of your own for each of the labels at the top of the page.

(j) Timmy brought a cow with him to the hospital. _____



2.



- (a) How many red balls are there? _____
- (b) How many green balls are there? _____
- (c) How many blue balls are there? _____
- (d) How many yellow balls are there? _____
- (e) How many pink balls are there? _____
- (f) How many balls are there altogether? _____

3. Work out the chances of the following happening if the balls from Q.2 were placed in an opaque bag and one pulled from the bag. The first one has been done for you.

- (a) What is the likelihood of pulling a blue ball out of the bag? Four out of 25 or $\frac{4}{25}$.
- (b) What is the probability of pulling a red ball out of the bag? _____
- (c) What is the chance of pulling a yellow ball out of the bag? _____
- (d) What is the chance of pulling a pink ball out of the bag? _____
- (e) What is the chance of pulling a green ball out of the bag? _____
- (f) What is the chance of pulling a black ball out of the bag? _____
- (g) What is the likelihood of pulling out either a yellow or a green ball? _____
- (h) What is the chance of pulling a pink or green ball out of the bag? _____
- (i) What is the likelihood of pulling a blue or pink ball out of the bag? _____
- (j) What is the likelihood of pulling a red, green or blue ball out of the bag? _____
- (k) What is the likelihood of pulling a yellow, pink or green ball out of the bag? _____

Thursday

Chance – Recording scores

An Irish euro coin has a harp on one of its faces. We call it **tails**.
The opposite side we call **heads**.

When we toss a euro coin, we have a one in two chance of getting tails and a one in two chance of getting heads.

This is known as a 50:50 chance or an even chance.



1. Laura took a euro coin and tossed it 50 times. She recorded her results on this chart.

Tails/Heads	Tally	Total	Fraction
Tails		28	$\frac{28}{50}$
Heads		22	$\frac{22}{50}$

Try this activity with a partner. First predict what you think your results will be. Take 10 turns while your partner records the score. Then swap around. Be sure to record your results separately. Take 50 turns each in total.

Repeat the exercise with a different size coin. Will you get different results? Compare your results with other pairs of children.

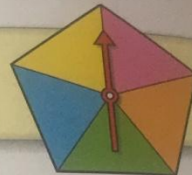
Again work with a partner. Take 10 turns. Your partner should

Friday

Chance - Fractions and percentages

Example:

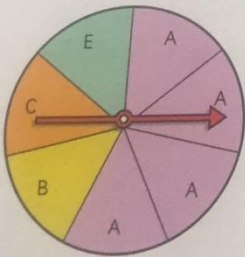
What is the chance of the spinner stopping on **pink**?
The chance of the spinner stopping on **pink** is 1:5 or $\frac{1}{5}$.



1. Write the answers to these as ratios and as fractions.

- (a) What is the likelihood of the spinner stopping on yellow or blue? ____ : ____ or ____
- (b) What is the probability of the spinner not stopping on green? ____ : ____ or ____
- (c) What is the likelihood of the spinner not stopping on either orange or blue? ____ : ____ or ____
- (d) What is the chance of the spinner stopping on blue? ____ : ____ or ____
- (e) Is there an even chance of stopping on either yellow or green? (yes/no) ____
- (f) What is the likelihood of the spinner not stopping on green or yellow? ____ : ____ or ____
- (g) Is it equally likely that the spinner might stop on either pink or blue? (yes/no) ____

2.



- (a) What is the chance of the spinner stopping on C? ____ : ____ or ____
- (b) What is the likelihood of the spinner stopping on E? ____ : ____ or ____
- (c) What is the probability of the spinner stopping on C or E? ____ : ____ or ____
- (d) What is the chance of the spinner not stopping on A? ____ : ____ or ____
- (e) What is the probability of not stopping on B or C? ____ : ____ or ____
- (f) Is there an even chance that it might stop on either C or A? (yes/no) ____
- (g) What is the chance that it will not stop on B? ____ : ____ or ____