

Maths - Week Starting 8th June – 8.3A and 8.3B

Lesson 1

Look at the worksheet below with the heading “Lesson 1 – Probability”.

Print it or copy the table in your books.

Fill in the table by counting how many of each shape and colour.

Then use the table to answer the 8 questions.

Lesson 2

Go on to Corbett Maths.

Click on this link and watch the video: https://youtu.be/ur_hHjLrBNo

Then click on this link and answer questions on the worksheet:

<https://corbettmaths.com/wp-content/uploads/2013/02/probability-pdf.pdf>

Lesson 3

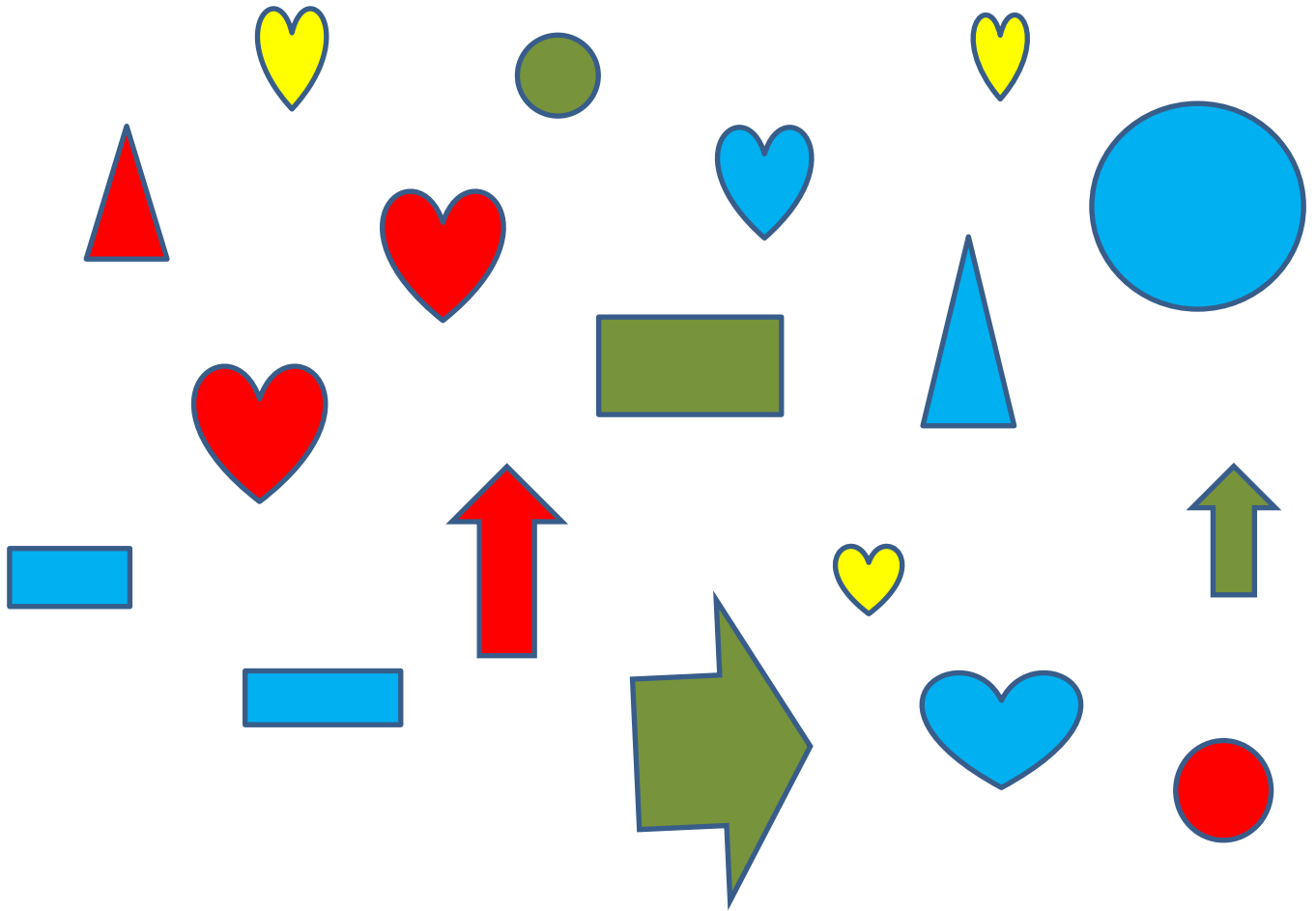
Go on to Mathswatch and find clip P7 – “Relative Frequency”.

Watch the video and answer all the video questions and then the “Interactive Questions” (yellow tab on menu bar above the video).

Look at the second worksheet below with the heading “Lesson 3 – Experimental Probability”.

Try all these questions.

Lesson 1 - Probability



Can you fill in this table

How many red hearts are there?

Fill in all the boxes. How many shapes are there altogether?

	Red	Blue	Green	Yellow	Total
Heart					
Rectangle					
Arrow					

Circle					
Total					

Finding the probability

- 1) What shape are you most likely to get?
.....
- 2) What shape are you least likely to get?
.....
- 3) What colour are you most likely to get?
.....
- 4) What colour are you least likely to get?
.....
- 5) What shapes are you just as likely to get as a circle?
.....
- 6) Which are you more likely to get, a red heart or a yellow heart?
.....
- 7) Which are you more likely to get, an arrow or a green circle?
.....
- 8) What shapes are less likely to be picked than a blue heart?
.....

Lesson 3 - Experimental Probability

1. Simon records the colour of cars going past his house for an hour

Colour	Frequency
Blue	5
Red	4
Yellow	1
White	7
Black	3

- What is the probability the next car will be i) blue ii) red iii) Not black
 - How many Red cars would you expect if i) 100 cars went past ii) 60 cars went past iii) 120 cars went past
2. Sammy throws a drawing pin 200 times and records how it lands

Pin up	160
Pin down	40

- What is the probability the pin will land i) pin up? ii) pin down
 - How many pin ups would you expect if the pin was thrown i) 80 times ii) 320 times iii) 400 times iv) 1000 times
3. A group of children are asked to write for their favourite food, and child is picked at random

Favourite Food	Number of people
Chinese	20
Pizza	16
Mexican	18

- What is the probability the person i) liked Chinese? ii) Didn't like Mexican best.
 - How many people would you expect to like pizza if i) 100 people were asked ii) 250 people were asked iv) 1000 people were asked?
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