



## Drake Class

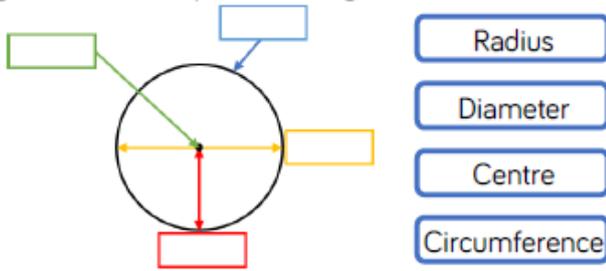
### Year 6 Maths Home Learning Activities

Week beginning Tuesday 20/04/20



#### Step 1: Understand circles.

Using the labels complete the diagram:



Radius is half way across to the centre

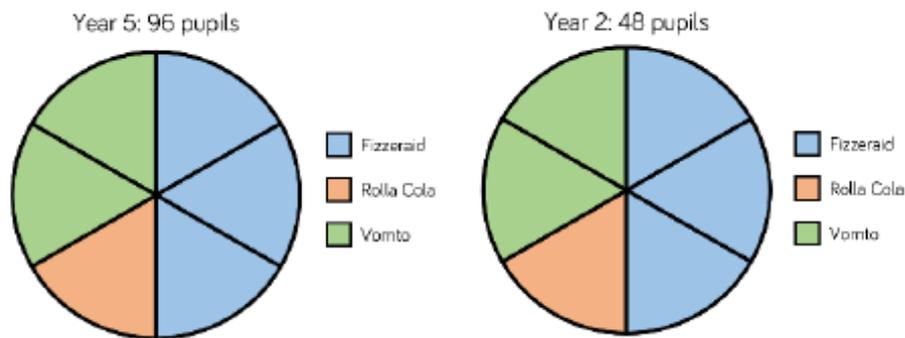
Diameter is all the way across the centre

Circumference is around the outside

Find some circular objects and measure them – pizza, muffin baking tray, cup rim etc.

#### Step 2: Pie Charts

Classes in Year 2 and Year 5 were asked what their favourite drink was. Here are the results:



What fraction of pupils in Year 5 chose Fizzeraid?

How many children in Year 2 chose Rolla Cola?

How many more children chose Vomto than Rolla Cola in Year 2?

Write 3 more questions about the pie charts.

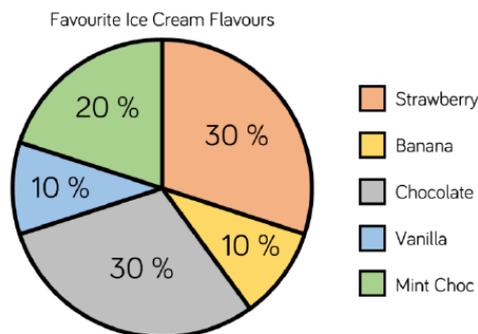
#### Step 3: More Pie charts

150 children voted for their favourite ice cream flavours. Here are their results:

How many people voted for Vanilla?

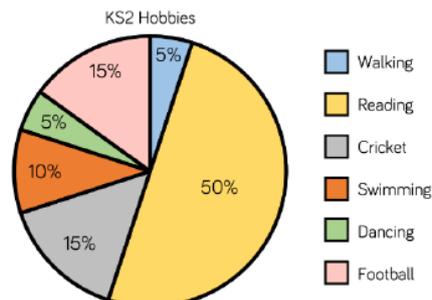
How many more people voted for Chocolate than Mint Chocolate Chip?

How many people chose Chocolate, Banana and Vanilla altogether?



There are 200 pupils in Key Stage 2 who chose their favourite hobbies.

How many pupils chose each hobby?



**Hints and tips:** Remember to use your fraction knowledge to help you. Use halving to find half, quarter or an eighth. To find 10%, divide the total number by 10. To find 5%, halve 10%. To find 15%, add 10% and 5%.

**Step 4: Finding the 'Mean'.**

The **mean** is the **average**. To find it you have to add up the total number altogether and then divide it by the number of bits of data.

For example, if I was looking at the average number of runs my baseball team score in a season...

Game 1	Game 2	Game 3	Game 4	Game 5	Game 6	Total Runs
5	8	2	12	2	5	24

We scored 24 runs in 6 games so the calculation is  $24 \div 6 = 4$ . So we score an average – or a mean – of 4 runs a game.

Calculate the mean number of crayons:

Crayon colour	Amount
Blue	14
Green	11
Red	10
Yellow	9

Hassan is the top batsman for the cricket team. His scores over the year are: 134, 60, 17, 63, 38, 84, 11

Calculate the mean number of runs Hassan scored.

**Step 5: Find some data of your own and calculate the mean.**

**Bonus Step** To see how well you have understood statistics, **complete the assessment**.

Questions: <https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/05/Year-6-Statistics.pdf> - please do not worry about completing Q7 about drawing your own pie chart – unless you want to.

Answers: <https://wrm-13b48.kxcdn.com/wp-content/uploads/2019/05/Year-6-Statistics-Answers.pdf>

If you cannot print anything out, complete the questions you can by writing down the answers or even talking through it verbally.

**Additional areas to work on:**

**Play on Hit the Button** - focus multiplication tables.

**Work through the areas of last week's arithmetic paper** and then on an area they are unsure of. (Look at the Calculation Policy on the school website under 'Curriculum' and then 'Maths' for help in how to support + - x and ÷)

<https://www.sampford-peverell-primary.devon.sch.uk/website/maths/459621>

Also in the maths section of the website is a link to a fantastic maths revision interactive resource which gives the children extra questions in whichever area of maths they would like to work on a little more – with YouTube links to explain the process!