

Y4 – Statistics – Monday

LO: comparison, sum and difference questions

We've covered some of these types of questions in previous lessons but over the next couple of days we will practise this a lot more until we're really confident!

We will be **comparing** two or more sets pieces of data.

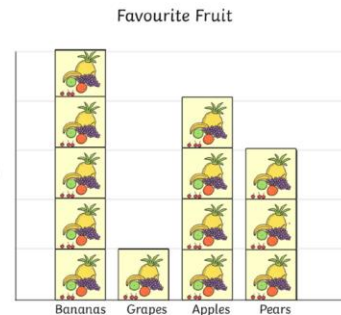
eg *Which fruit is least popular?*

We will be finding the **sum** of two or more pieces of data.

eg *How many people like apples and pears?*

We will be finding the **difference** between pieces of data.

eg *How many more people prefer bananas to grapes?*



Team	Number of house points
Sycamore	70
Oak	75
Beech	65
Ash	55



First of all, how many points does a circle represent? **20**

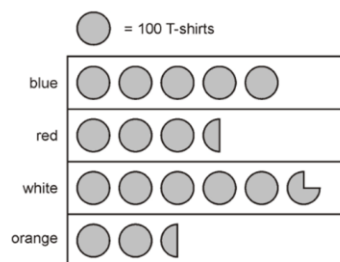
How about half a circle? **10**

What about a quarter of a circle? **5**

- How many more points does the Sycamore team have than the Ash team? **15 points**
- How many points do Beech and Oak teams have altogether? **140 points**
- How many more points do Ash need to be equal to Oak? **20 points**

A shop sells T-shirts.

This chart shows how many T-shirts were sold in a month.



- Which was the most popular t-shirt sold?
- How many more blue t-shirts were sold than red t-shirts?
- How many fewer orange t-shirts were sold than white ones?
- How many red and orange t-shirts were sold altogether?
- Sales of blue t-shirts were double that of orange t-shirts. True or false?
- The total sales of red and orange t-shirts was less than the sales of white t-shirts. True or false?

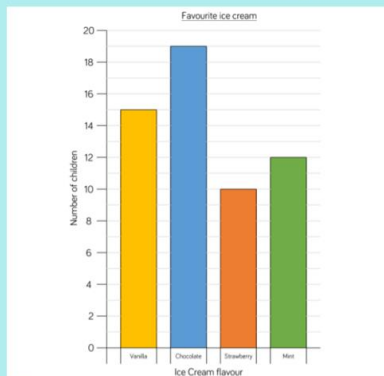
half a circle = 50 t-shirts

quarter of a circle = 25 t-shirts

Activity	Number of votes
Bowling	9
Cinema	10
Swimming	7
Ice-skating	14

1. How many people voted in total?
2. $\frac{1}{4}$ of the votes were for? cinema
3. Seven more people voted for _____ than _____ .
4. The total of the two least popular activities is?

Go on! Have a go!



Rosie says,



We asked 54 people altogether.

Can you spot Rosie's mistake?
How many people were asked altogether?

Attraction	Number of visitors on Saturday	Number of visitors on Sunday
Animal World Zoo	1,282	2,564
Maltings Castle	2,045	1,820
Primrose Park	1,952	1,325
Film Land Cinema	2,054	1,595

True or false?

- The same number of people visited Maltings Castle as Film Land Cinema on Saturday.
- Double the number of people visited Animal World Zoo on Sunday than Saturday.
- The least popular attraction of the weekend was Primrose Park.