|	Castlefield School- Maths		
	Topic: Graphs and tables	Year: Two	Theme: Statistics

Key concepts and questions

What is data?
Data is information that can be collected on any topic and then represented in a graph or table, such as a pictogram, tally chart or block diagram.

What is a key?
A key tells us what something represents.

Here, each dot represents 5 vehicles.
There are 4 dots for the car.
4 x 5=20.
There were 20 cars.

Traffic Survey

●			
●	●		
●	●		●
●	●	●	●
Car	Motorbike	Van	Bus

Key ○ = 5 vehicles
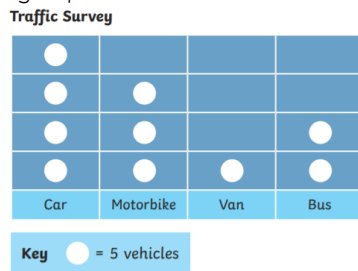
Key Vocabulary

Tally
Tally marks look like this, the fifth one goes across like a gate.

I	II	III	IIII	IIII̶	IIII̶ I	IIII̶ II
1	2	3	4	5	6	7

Key	Shows what is represented. For example, 🧁 = 6 cupcakes
Most	The highest number
Least	The smallest number
Equal	The same
Total	How many altogether

Representations

Tally Chart

Favourite vegetables.

Vegetable	Tally	Number
Lettuce	IIII̶ IIII̶ IIII̶ II	17
Broccoli	IIII̶ IIII̶ II	12
Cabbage	IIII̶ IIII̶ IIII̶ IIII̶ I	21
Brussels Sprouts	IIII̶ I	6

Pictogram

Number of cupcakes sold.

Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday

🧁 = 6 cupcakes
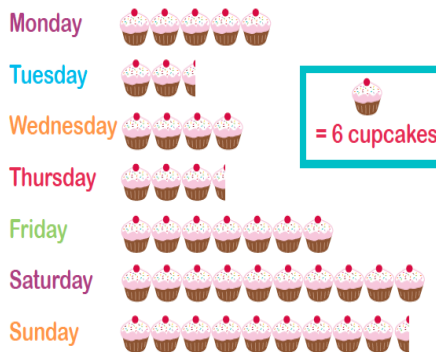
Block Diagram

Number of vehicles.

Number of vehicles (5, 4, 3, 2, 1)

car, bike, lorry, bus, motorbike

Type of vehicle
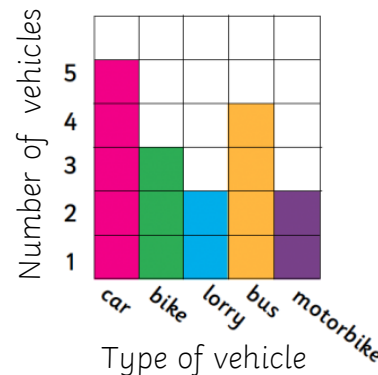
Making connections

Counting in 5s

Lettuce	IIII̶ IIII̶ IIII̶ II	17

You don't have to count each tally line individually. You can go 5, 10, 15, then add the 2.

Counting in 2s, 5s and 10s
Intervals on a scale don't always increase by 1, you may find some going up in 2s, 5s or 10s.