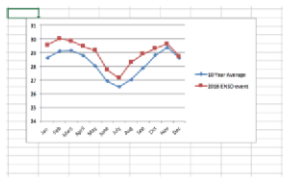




# Maths- Statistics Learning Journey



Two variables

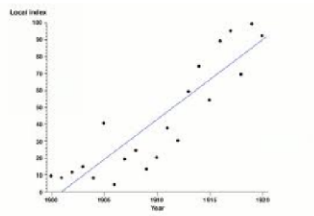
Appropriate graphical representation, measures of central tendency and spread

Mathematical relationships Observed distributions

**YEAR 7**

Scatter graph

Single variable



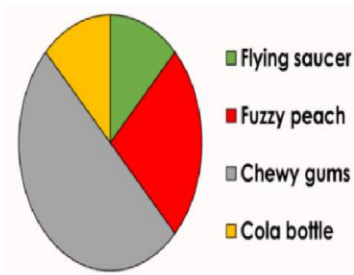
**YEAR 6**

Mean Average

Pie Charts

Understand and calculate

Read, interpret and create

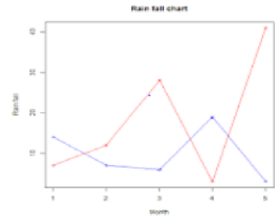


Tables

Line Graphs

**YEAR 5**

Read, interpret and respond to information in the table



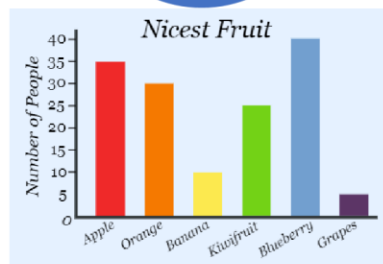
Consolidate knowledge of how to read, interpret and create complex line graphs

Rank	Film	Weekend Gross	% change on last week	Weeks on release	Number of screens
1	Cheerleaders	\$1,388,744	-	1	531
2	Ice Age: Collision Course	\$1,380,494	-	1	570
3	The Secret Life of Pets	\$1,053,473	+5%	4	601
4	The Legend of Tarzan	\$1,071,248	+5%	2	521
5	Abominably: Reunited: The Movie	\$1,191,125	+4%	3	602
6	Secret Cinema	\$764,086	-	1	1
7	New Year's Eve 2	\$571,052	-7%	2	479
8	Central Intelligence	\$764,990	+3%	3	419
9	Independence Day: Resurgence	\$347,048	+5%	4	351
10	The Conjuring 2	\$120,791	+4%	5	260

**YEAR 4**

Bar Graphs

Draw and interpret bar graphs including where scale is not a multiple of quantities measured



Read, interpret and create simple line graphs

**YEAR 3**

Graphs

Read, interpret and create

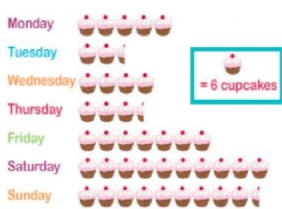
**YEAR 2**

Picture graphs

Simple tables

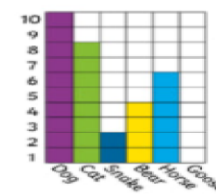
Tally Charts

Block diagrams



	red	orange	green	yellow
Number of red balloons sold	10	8	6	4
Number of orange balloons sold	8	10	6	4
Number of green balloons sold	6	8	10	4
Number of yellow balloons sold	4	6	8	10

Treats Megan sold	
Cookies	
Cupcakes	
Donuts	



Will be exposed to a range of graphs and tallies

Picture graphs

Tally Charts

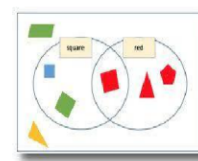
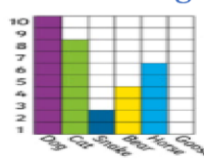
Block diagrams

Venn diagrams

**YEAR 1**



Treats Megan sold	
Cookies	
Cupcakes	
Donuts	



Record, present and interpret data

**EYFS**

Experiment with their own symbols and marks, as well as numerals.