



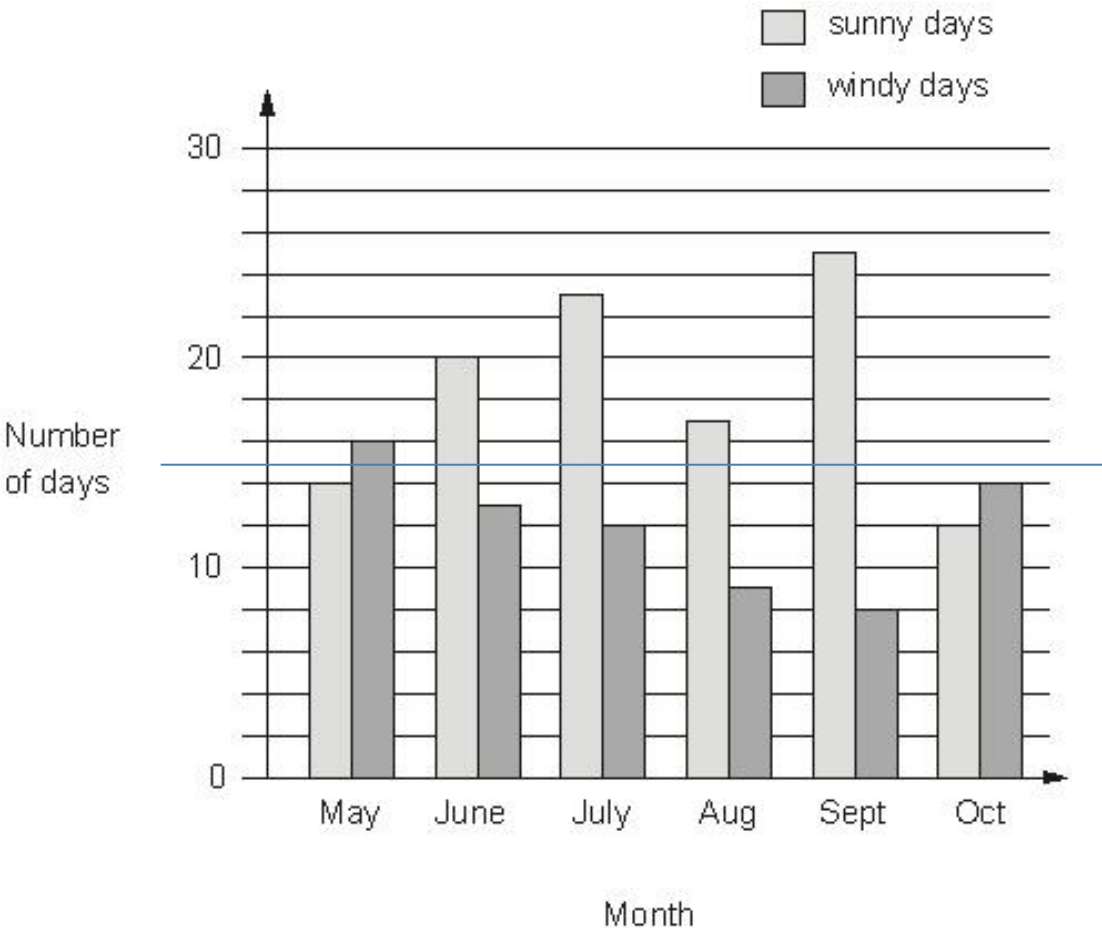
# My Maths and LBQ Support Pack

Welcome to your My Maths and LBQ Maths support pack for the week. In this pack you will find a page or two that will help you with the days task on LBQ.

If you are still unsure of something from your LBQ task, just email Mr Goodwin.

# Monday – LBQ

## Interpret and Present Discrete Data in a Bar Chart



Make sure you work out what the scale is going up in - 2's in this chart.

- Which months had more windy days than sunny days? (dark grey bar taller than light grey)  
**May and October**
- How many months had more than 15 sunny days? (draw a line across at 15)  
**4 months**
- How many more sunny days than windy days were there in **June**?  
**Sunny= 20 Windy = 13**  
**7 more days**

# Tuesday - LbQ

## Complete, Read and Interpret Information in Tables

This table shows the weekend cinema box office information for July 15<sup>th</sup> - 17<sup>th</sup> 2016.

Which film was being shown at the most cinemas?

Which films has been released for the most number of weeks.

Which film's weekend takings were half the previous week's takings?


What was the difference in takings between the top 2 films?

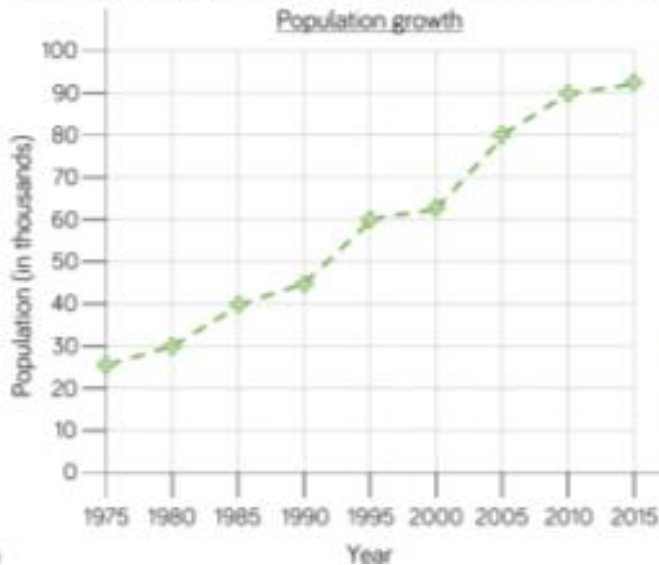
Rank	Film	Weekend Gross	% change on last week	Weeks on release	Number of cinemas
1	Ghostbusters	£4,388,944	-	1	581
2	Ice Age: Collision Course	£3,780,694	-	1	570
3	The Secret Life of Pets	£2,053,623	-43%	4	601
4	The Legend of Tarzan	£1,477,249	-59%	2	521
5	Absolutely Fabulous: The Movie	£1,199,125	-49%	3	602
6	Secret Cinema	£946,086	-	1	1
7	Now You See Me 2	£876,052	-70%	2	479
8	Central Intelligence	£766,990	-43%	3	419
9	Independence Day: Resurgence	£347,438	-56%	4	351
10	The Conjuring 2	£210,703	-48%	5	260
11	Sultan	£202,815	-81%	2	88
12	The Jungle Book	£73,756	3%	14	321
13	Maggie's Plan	£67,164	-36%	2	75
14	Me Before You	£64,773	-50%	7	146
15	The Neon Demon	£46,965	-63%	2	102

$$£4,388,944 - £3,780,694 = £608,250$$

# Wednesday – LBQ

## Interpret information in a line graph

 This line graph shows the population growth of a town.



What was the population in 1985?

40,000

How much did the population grow between 1990 and 2010?

1990= 45,000

2010= 90,000

Growth=45,000

When was the population double the population of 1985?

1985=40,000

Double = 80,000

Year = 2005






Watch this video to recap how to read line graphs further

<https://www.youtube.com/watch?v=OWkqfJBfXic>

# My Maths - Thursday

## Grouping Data

Using the **tally** system to record your results is faster than writing out words or figures all the time. If you record your findings on a tally chart, the data is already collected into groups and you will not need to group it later on. Don't forget tally marks are a quick way of keeping track of numbers in groups of five. One vertical line is made for each of the first four numbers; the fifth number is represented by a diagonal line across the previous four.

Colour	Tally	Frequency
Red		13
Blue		9
White		24
Black		12
Other		9

Sometimes data is grouped (see Mass column) - this is useful when there is many different values.

Mass (kg)	Tally	Frequency
41 – 49	///	3
50 – 58	### /	6
59 – 67	###	5
68 – 76	### /	6
77 – 85	//	2
		Total = 22

# My Maths - Friday

## Line Graphs and Two-Way Tables

	Small	Medium	Large	Total
Pine	7			23
Oak		16		34
Yew	3	8	2	13
Total	20	36	14	70

To complete this two-way table you need to find a starting point. Start with the total column; adding the numbers to get the final total. Next you can find the medium total (  $20 + 14 = 34$  then  $70 - 34 = 36$ ). Then the medium pine and so on.

Watch this video to learn more about completing two-way tables <https://www.youtube.com/watch?v=U785Y-QI-K8>