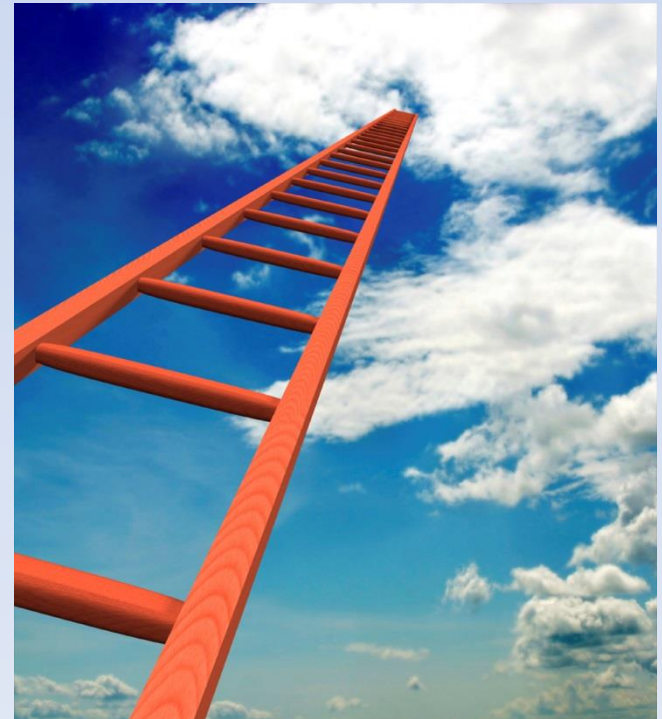


L.I:

To represent data in a block graph.

### Steps to success

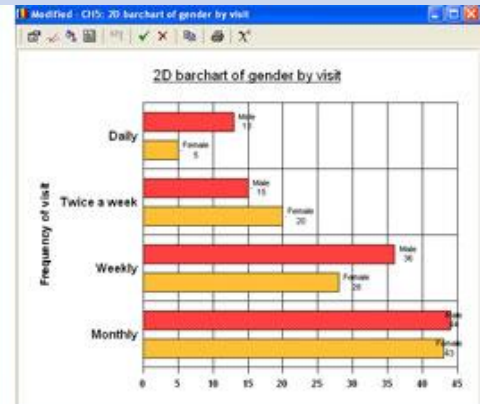
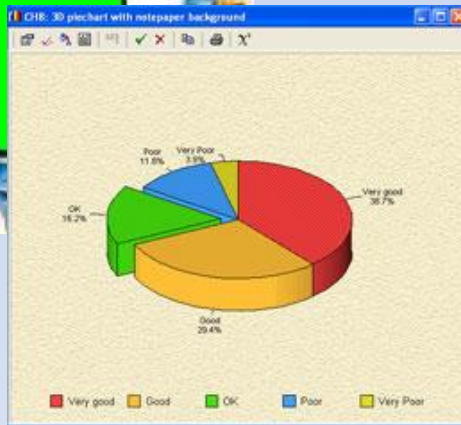
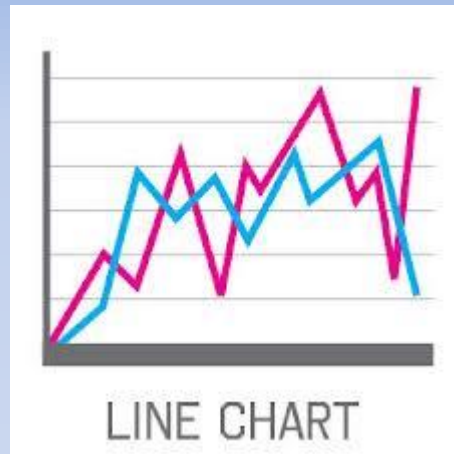
- To understand how a block graph represents data.
- To draw a block graph using our data.
- To interpret the block graph.



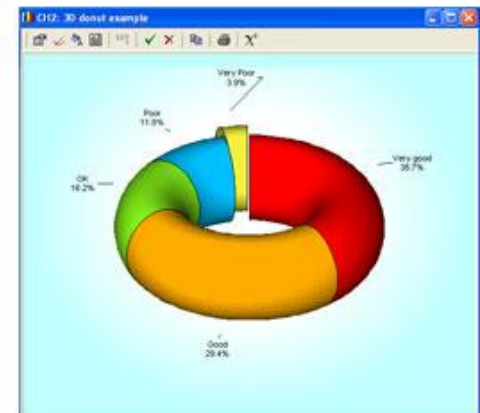
What is data?

Can you think of any of the ways we represent data?

# Data Handling

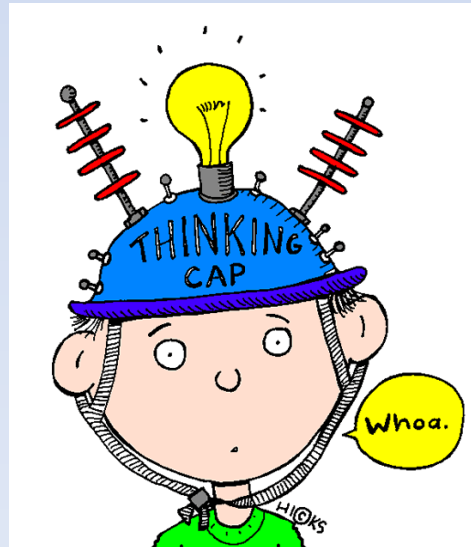


Men's Pants/Trouser Sizes (Waist)	
UK / US	European
32	81 cm
34	86 cm
36	91 cm
38	97 cm
40	102 cm
42	107 cm

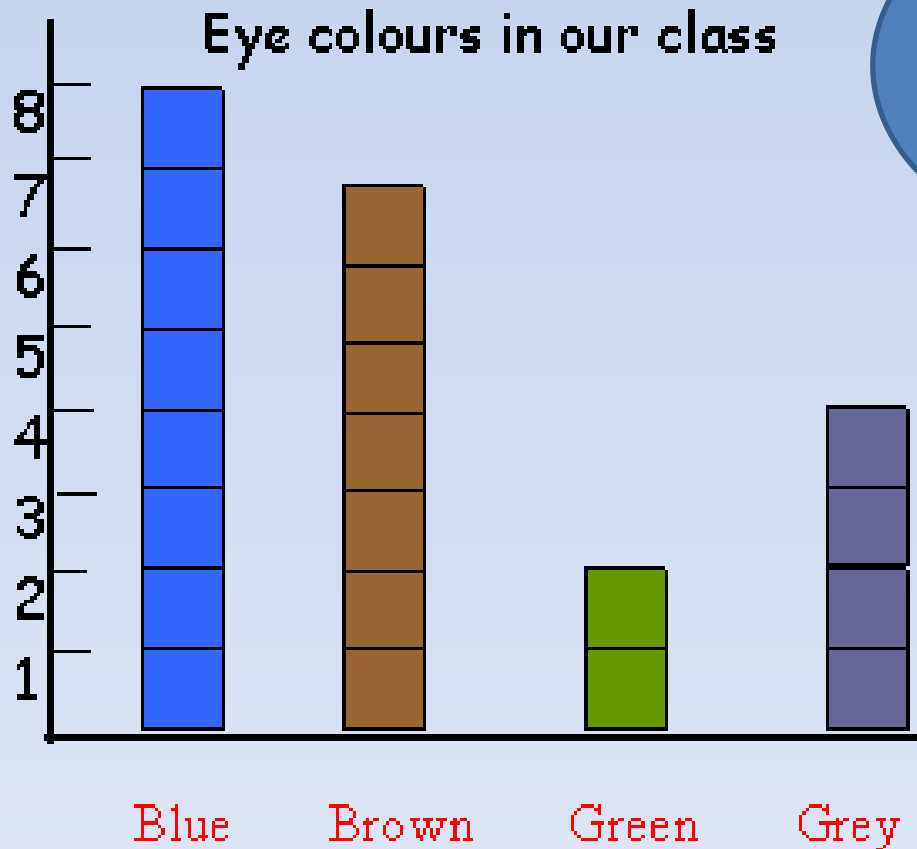


What is a block graph?  
Why would you use it instead of a tally or pictogram?

How does a block graph represent data?



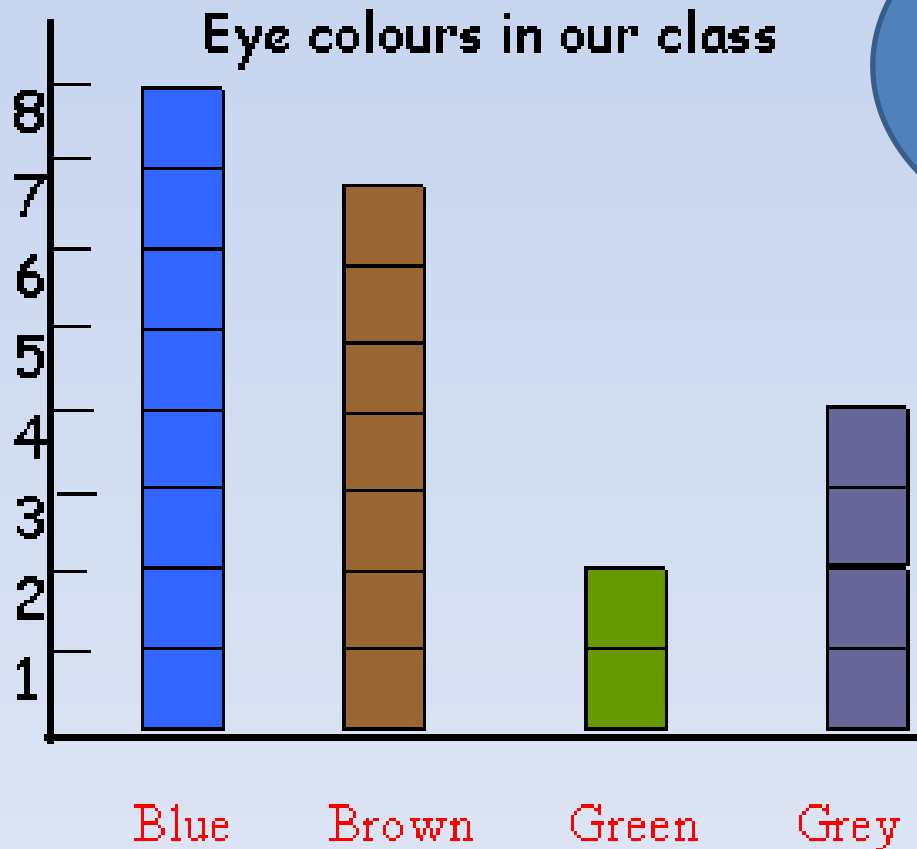
# What does this block chart show?



Each block represents one child.

There are 2 children with green eyes. How many have blue eyes? How many children are there altogether?

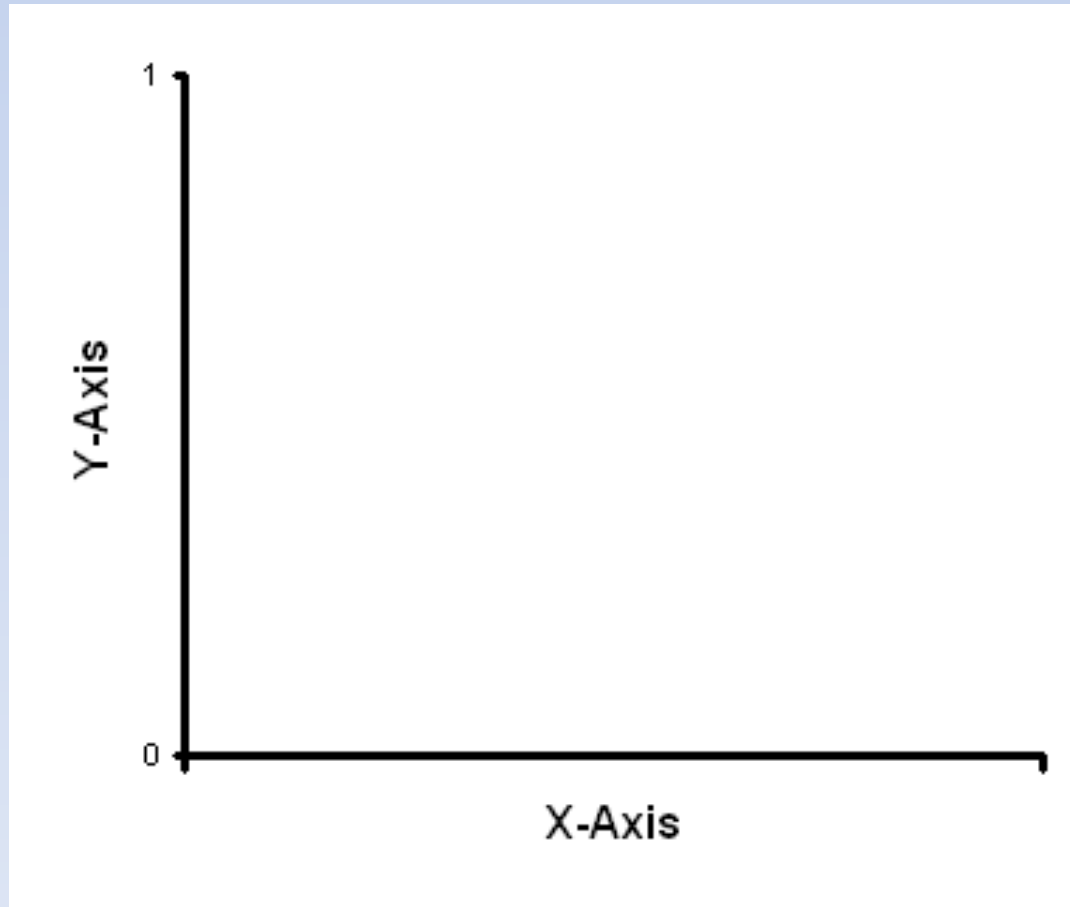
# What does this block chart show?



8 children have blue eyes!

$8+7+2+4= 21$   
21 children are represented in this graph.

# What does the x and y axis mean?

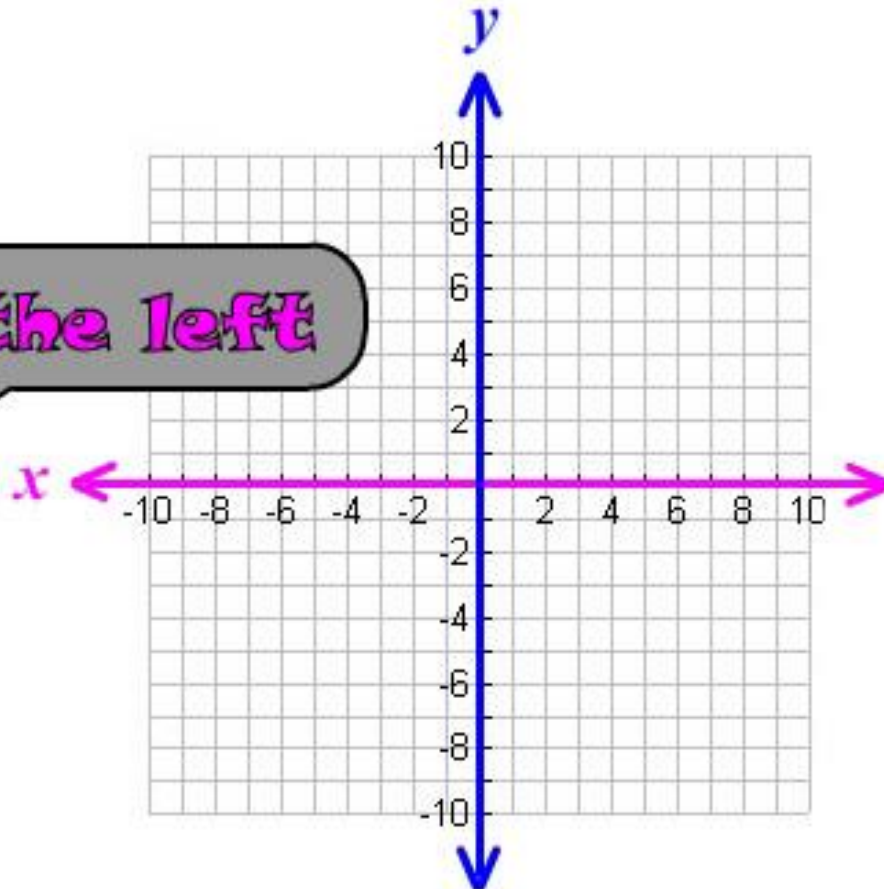


# Remember!

The x-axis  
and y-axis  
trick:

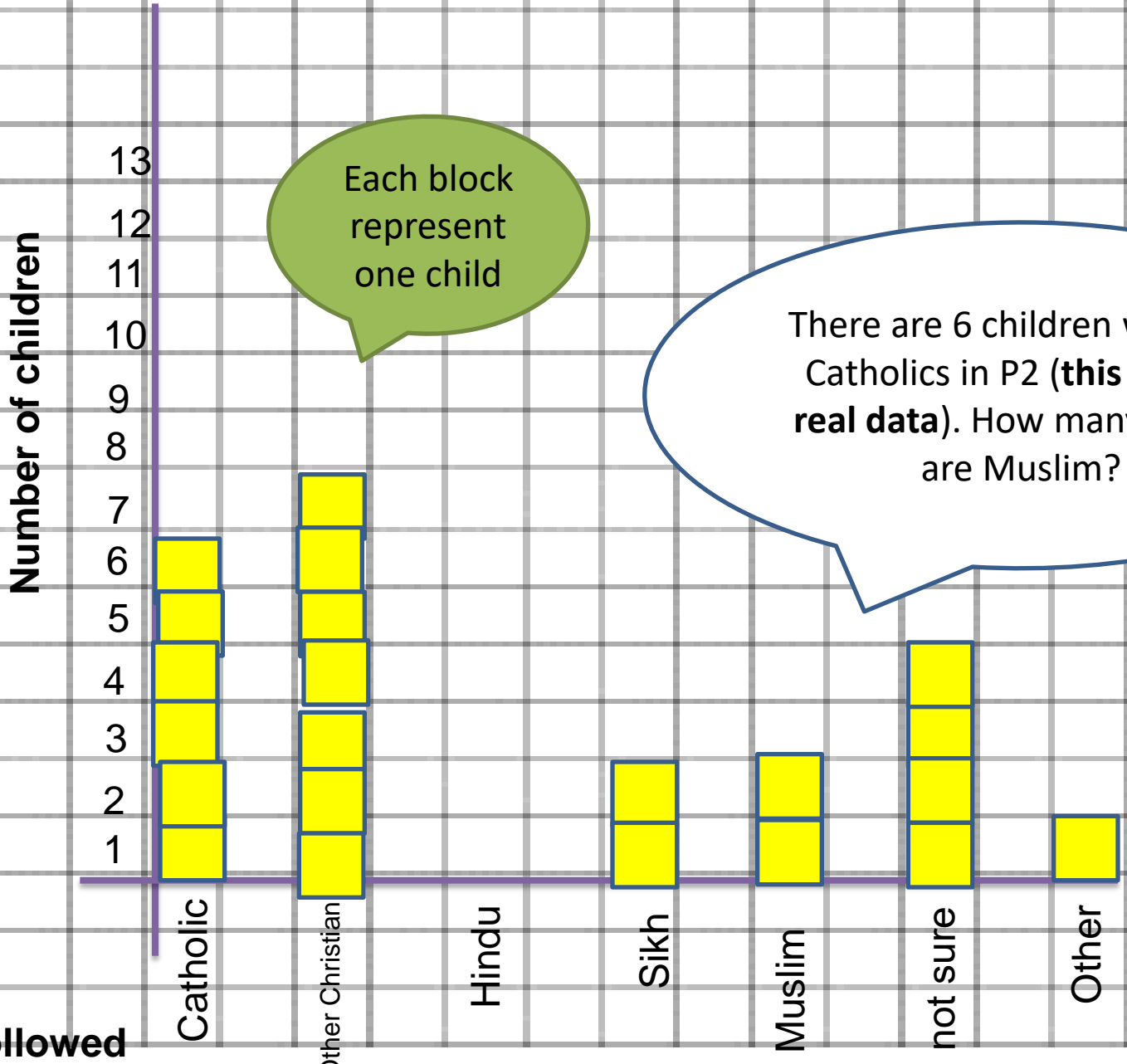
**y to the sky**

**x to the left**





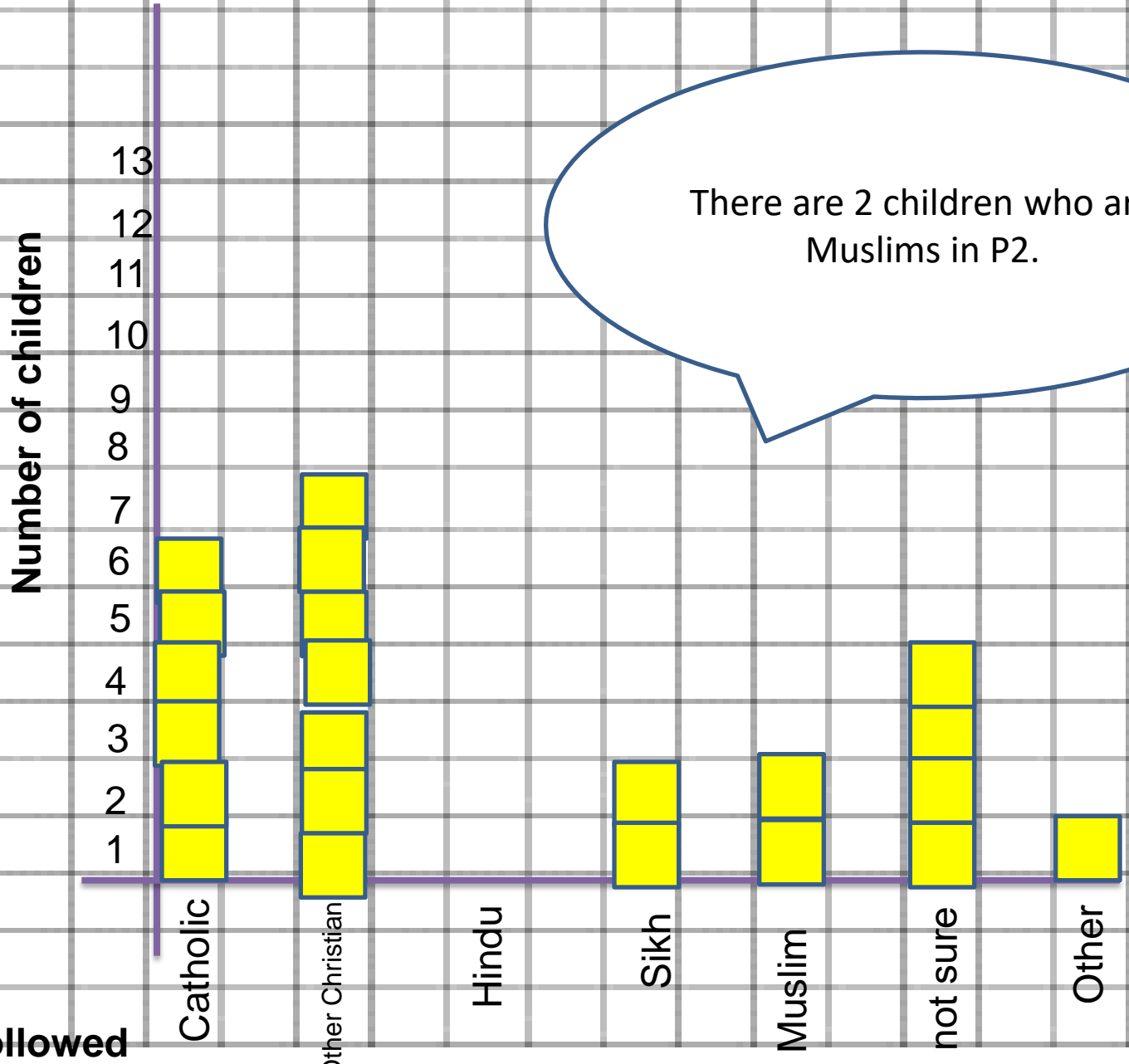
A block graph to show the religions followed in P2.



Each block represent one child

There are 6 children who are Catholics in P2 (**this is NOT real data**). How many pupils are Muslim?

A block graph to show the religions followed in P2.

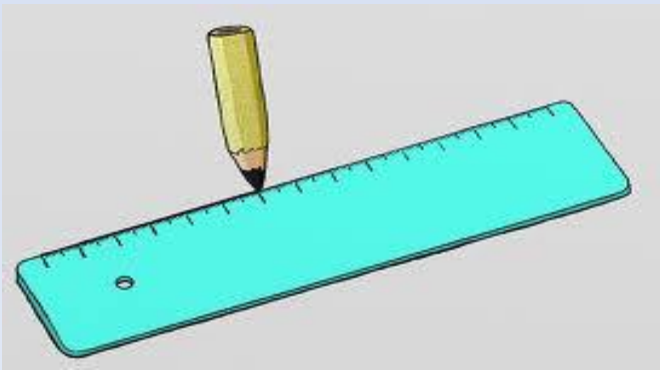


There are 2 children who are Muslims in P2.

Now you are going to draw a block graph for the data you collected on Monday.

# Steps to draw your block graph.

- 1) Go to a new page in your maths book
- 2) Write the title for your block graph, underline with a ruler! 'A block graph to show the holiday preferences in P3'
- 3) Draw the vertical and horizontal axes.
- 4) Label the horizontal axis (x-axis) 'Holiday destinations'
- 5) Label the vertical axes (y-axis) 'Number of votes'
- 6) Draw a blocks for each holiday destination. Remember each square is one person.
- 7) Neatly colour the bars in different colours.



**Always use a ruler to draw all lines!**

# Reflect on your learning...

- Can you/do you now...

...understand how a block graph represents data?

...draw a block graph using our data?

...interpret the block graph?