

5-A-Day Revision Questions



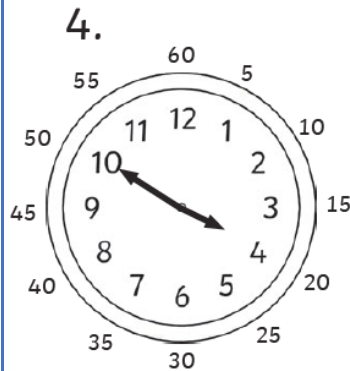
Find the fraction of the amount.

3 of 16

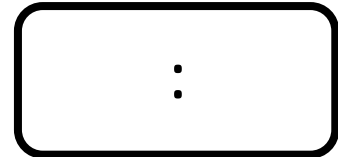
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4



What time is on the clock?
Can you write it in words and digital time (24 hour clock)



am



There are _____ days in April and September.



Calculate:

$$942 - 615 =$$



There are _____ weeks in one year.

Main Activity - Statistics: Bar Charts

YOU WILL NEED

- Pencil
- Paper
- YouTube Video <https://www.youtube.com/watch?v=R-kRyGjjHTs>



Today we will be learning about interpreting and drawing bar charts. These are similar to pictograms but use a bar going up a scale to show data rather than symbols.

What to do

1. Watch the video <https://www.youtube.com/watch?v=R-kRyGjjHTs> which explains how we use bar charts.
2. Read the slides below with some more information to help you.

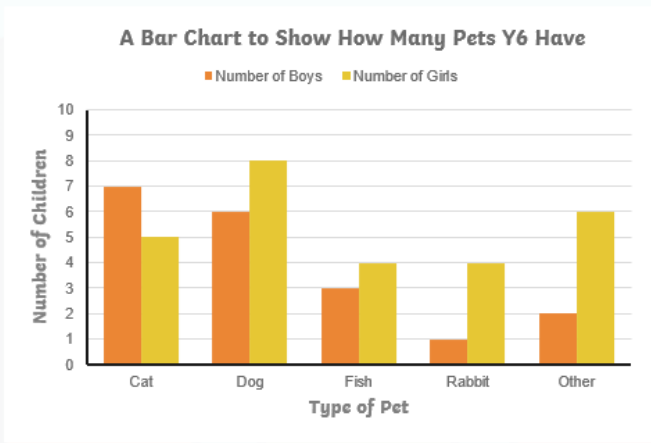


Bar Charts

Discrete data in each category can also be represented in subcategories:

Pet	Number of Boys	Number of Girls
Cat	7	5
Dog	6	8
Fish	3	4
Rabbit	1	4
Other	2	6

We can draw a grouped bar chart to show this data. In this bar chart, each category has more than one bar. A key is used to identify the subcategories of the data.



Bar Charts

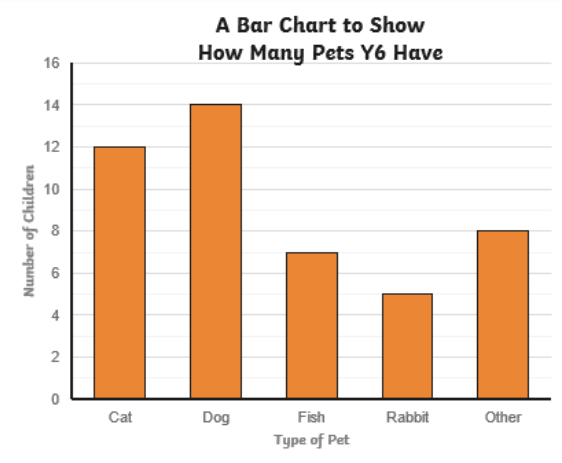
Data that is counted and has no in-between value is called **discrete data**. Discrete data is usually collected in a frequency table and then presented as a bar chart.

Pet	Number of Children
Cat	12
Dog	14
Fish	7
Rabbit	5
Other	8

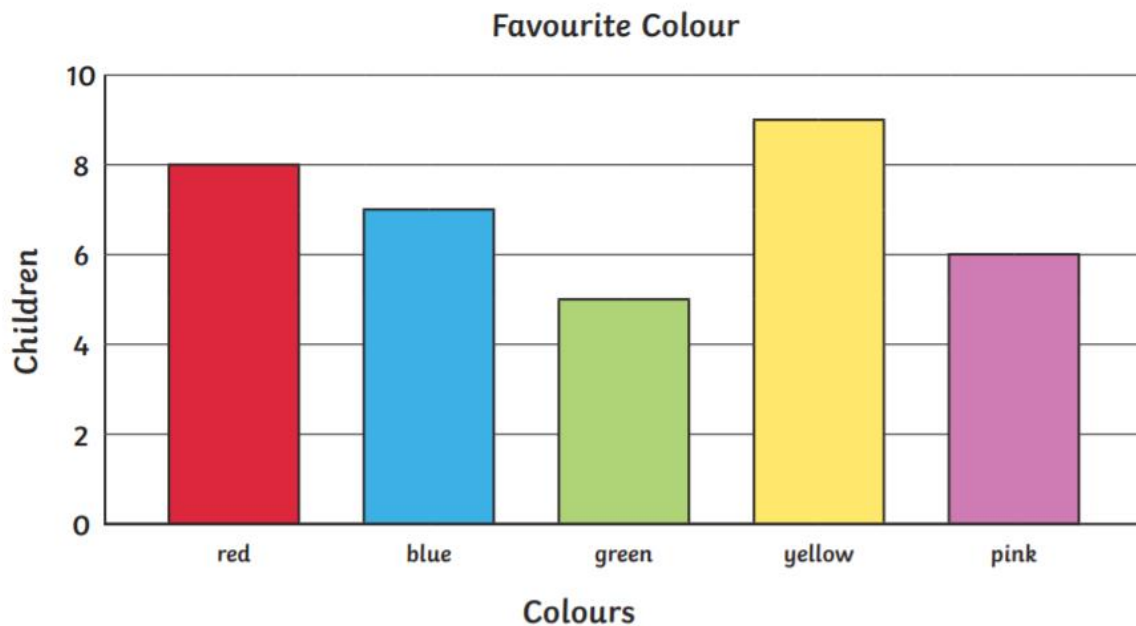
A bar chart has a **horizontal axis** and a **vertical axis**.

- A bar chart must always have a **title** explaining what it shows.
- Bars must be carefully drawn to show the data.
- There must be a **gap** between each bar.
- Each bar must be the **same width**.

A **number line** is marked on the **vertical axis**. The scale of this number line is chosen based on the data range. The **data categories** are organised on the **horizontal axis**. Each axis must have a **label** explaining what it shows.



3. Have a look at this bar chart showing children's favourite colours and see if you can answer the questions. The scale on the 'y' axis (the line up the side of the chart) is going up in 2s so think about what that would mean if one of the bars sits between two lines of the scale.



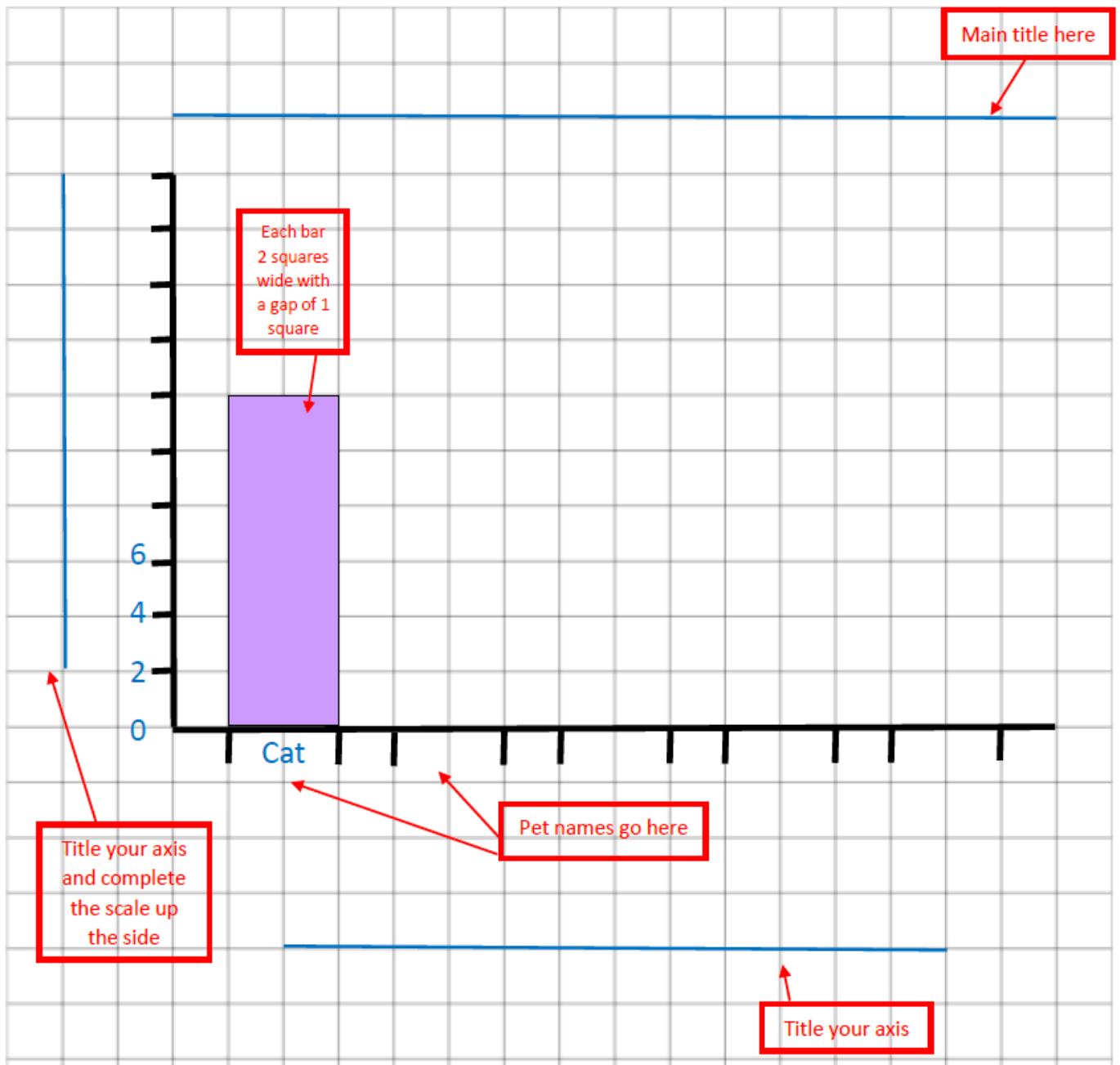
Answer the following questions.

1. What is the least favourite colour? _____
 2. How many children chose yellow as their favourite colour? _____
 3. How many fewer children chose green than blue, as their favourite colour? _____
 4. How many children chose pink or red as their favourite colour? _____
4. Watch this video on how to draw a bar chart. <https://www.youtube.com/watch?v=LEXbMW-Amao&t=19s>

5. You are now going to have a go at drawing your own bar chart showing **children's favourite pets**. Here is some data and a template you can use or copy.

Remember to keep the bars the same width. This might be tricky if you are not using squared paper but just do your best!

Favourite pet	Number of children
Cat	12
Fish	8
Dog	15
Hamster	10
Rabbit	5



5-A-Day Answers Below

NO CHEATING!!!

5-A-Day Revision Questions

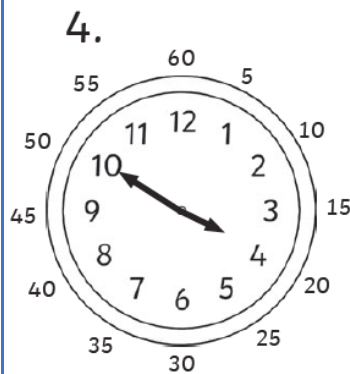


Find the fraction of the amount.

$$\begin{array}{r} 3 \text{ of } 16 = 12 \\ \hline 4 \end{array}$$



What time is on the clock?
Can you write it in words and digital time (24 hour clock)



Ten minutes to four

03:50

am



There are 60 days in April and September. $30 + 30$



Calculate:

$$\begin{array}{r} 94\cancel{3}12 \\ - 615 \\ \hline 327 \\ \hline \end{array}$$



There are 52 weeks in one year.