

5-A-Day Revision Questions



Find the fraction of the amount.

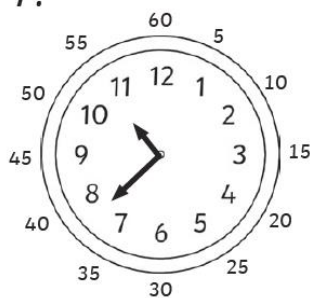
$$\frac{3}{\quad} \text{ of } 32$$

8

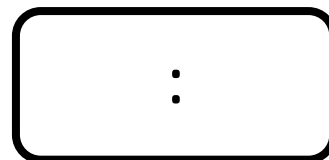


What time is on the clock?
Can you write it in words and digital time (24 hour clock)

7.



pm



There are _____ days in November and March.



Calculate:

$$715 - 231 =$$

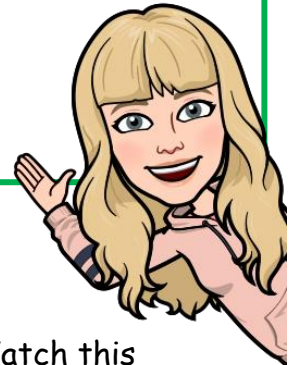


There are _____ minutes in $1 \frac{1}{2}$ hours.

Main Activity - Statistics: Pie Charts

YOU WILL NEED

- Pencil
- Paper
- YouTube Video <https://www.youtube.com/watch?v=SxSewF7E1-0>



What to do

1. Today we will be learning about data represented in pie charts. Watch this video to learn more. <https://www.youtube.com/watch?v=SxSewF7E1-0>
2. Read the slide below.

Pie Charts

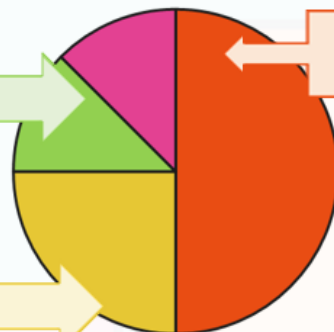
Pie charts show discrete data as proportional sectors of a circle.

Every sector of a pie chart is a proportion of the whole. You can explain what each sector represents using an angle, fraction or percentage.

Being able to convert between fractions, percentages and angles is a key skill for answering questions about data presented in a pie chart.

The data in both of these sectors is $\frac{1}{8}$ of the whole amount. It is also 12.5% and 45°.

The data in this sectors is $\frac{1}{4}$ of the whole amount. It is also 25% and 90°.



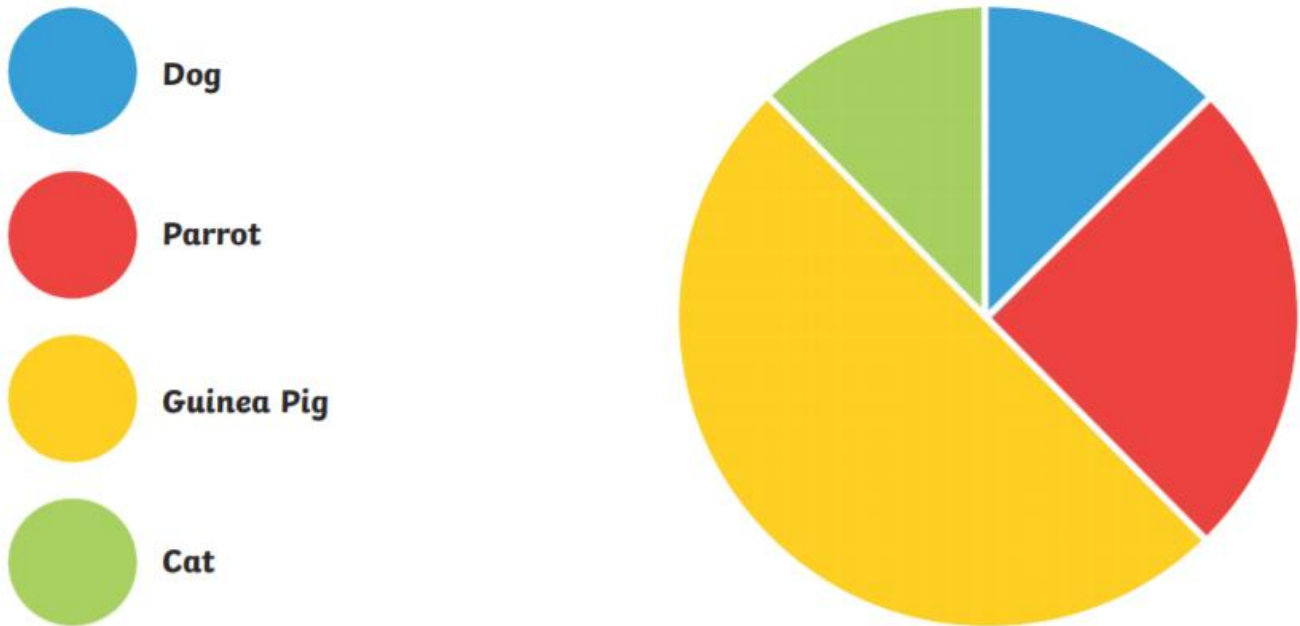
The data in this sector is $\frac{1}{2}$ of the whole amount. It is also 50% and 180°.

We can use fraction, percentage and angle equivalents to interpret the data in a pie chart.

If the whole pie chart represents 120, the value of the orange sector is 60.

3. Have a go at answering these questions. Think about the number of children in total and what you know about halves, quarters and eighths.

A Pie Chart to Show Children's Favourite Animal



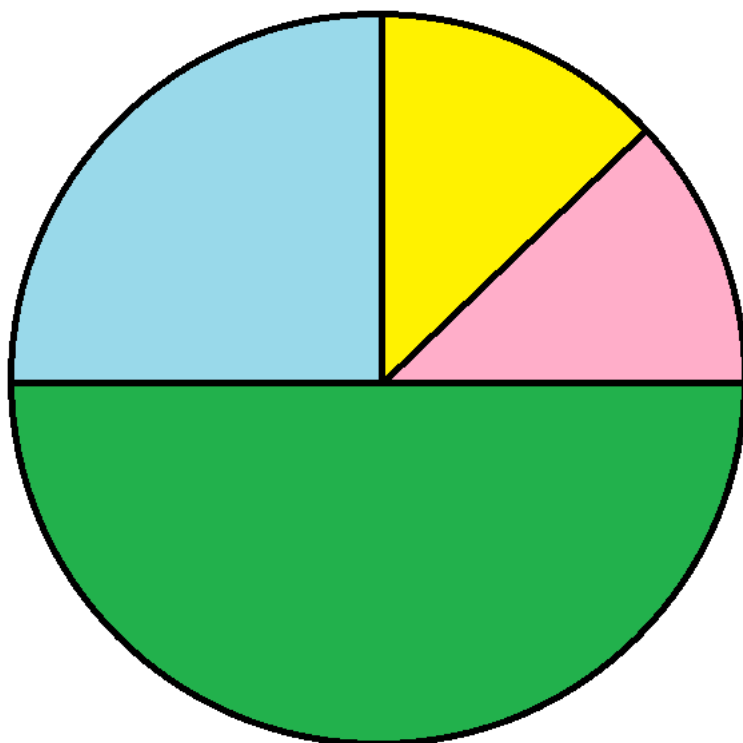
This pie chart represents 20 children

1. How many children chose dogs as their favourite animal? _____
2. How many children chose guinea pigs as their favourite animal? _____
3. How many children chose cats as their favourite animal? _____
4. How many children chose parrots as their favourite animal? _____
5. Which animal was the most popular? _____
6. Which animal was the least popular? _____

4. Have a go at drawing a pie chart showing which sandwiches **16 children** want for their school trip.

You could draw around a small plate or roll of sellotape to get a perfect circle. If you are stuck, have a look at my example below and see if you can finish it.

Sandwich	Number of children who chose it
Tuna	4
Egg	2
Cheese	8
Ham	2



5-A-Day Answers Below

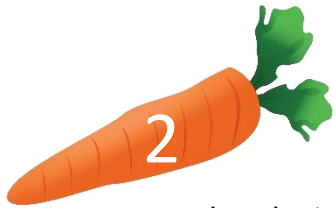
NO CHEATING!!!

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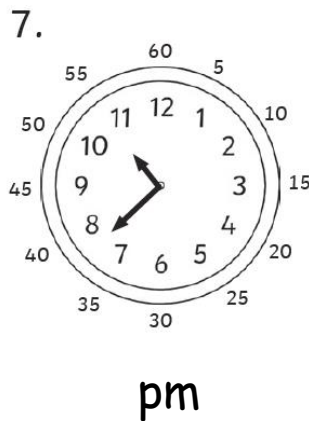


Find the fraction of the amount.

$$\begin{array}{r} 3 \text{ of } 32 = 12 \\ \hline 8 \end{array}$$



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



twenty-two minutes to eleven

22:38



There are 61 days in November and March. $30 + 31$



Calculate:

$$\begin{array}{r} 76 \ 11 \ 5 \\ - 2 \ 3 \ 1 \\ \hline 4 \ 8 \ 4 \\ \hline \end{array}$$



There are 90 minutes in $1 \frac{1}{2}$ hours.
 $60 + 30$