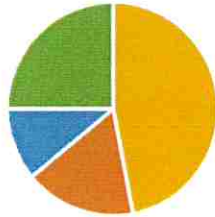


In a survey people were asked what their favourite season of the year was, the results are shown in the pie chart below. If 47 people voted spring, how many people took part in the survey?

Our favourite time of year



■ Summer ■ Spring ■ Autumn ■ Winter

Explain your method.



The spring section is $\frac{1}{4}$.

So I know:

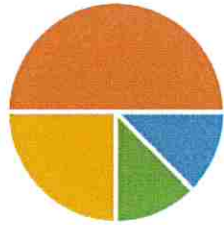


47×4 will give me the total.

$$\begin{array}{r} 47 \\ \times 4 \\ \hline 188 \\ \hline 2 \end{array}$$

96 people took part in this survey.

Our favourite pets



■ Dogs ■ Cats ■ Hamsters ■ Horses

How many people voted for cats?

$\frac{3}{8}$ of the people who voted for dogs were male. How many females voted for dogs?

What other information can you gather from the pie chart?

Write some questions about the pie chart for your partner to solve.



Cats is $\frac{1}{4}$.

$$96 \div 8 = 12$$

Cats = 12 people.

$$\text{Dogs} = \frac{1}{2} \text{ of } 96 = 48$$

$$\frac{3}{8} \text{ of } 48 \rightarrow \frac{1}{8} = 6$$

so $\frac{3}{8} = 18$.

Hamsters = 8.

Horses = 16.

