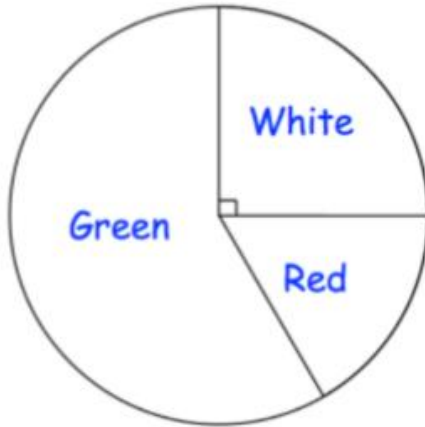


This pie chart shows the colour of sweets in a bag.



What is the most common colour of sweet?

Answer: **Green**

What is the least common colour of sweet?

Answer: **Red**

What fraction of the sweets are white?

Answer:  **$\frac{1}{4}$**

The children in Year 7 study one language.

They study either French, German or Spanish



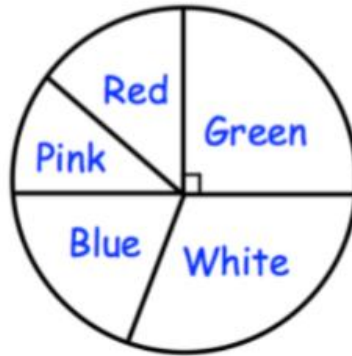
What is the least popular language?

Answer: **Spanish**

There are 120 children in Year 7  
How many children study French?

Answer:  $\frac{1}{2}$  of 120 =  $120 / 2 = 60$   
**children**

The pie chart shows the colours of 32 beads.

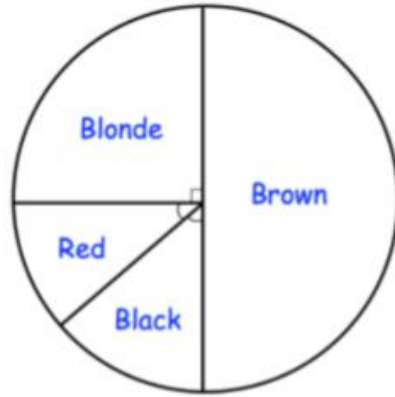


$$\frac{1}{4} \text{ of } 32 = 8$$

How many beads are green?

8

The pie chart shows information about the hair colour in a class.



There are 24 children in the class.

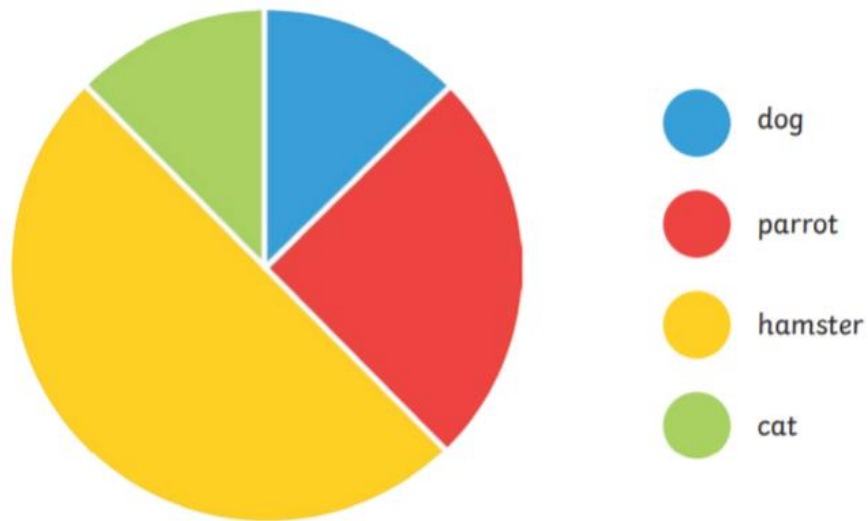
How many children have blonde hair or brown hair?

$$\frac{1}{2} \text{ of } 24 = 12$$

$$\frac{1}{4} \text{ of } 24 = 6$$

18

# A Pie Chart to Show Children's Favourite Animal



This pie chart represents 40 children.

How many children chose hamster as their favourite animal?

Answer:  $\frac{1}{2}$  of 40 = 20

How many children chose parrot as their favourite animal?

Answer:  $\frac{1}{4}$  of 40 = 10

Which animal was the most popular?

Answer: **hamster**

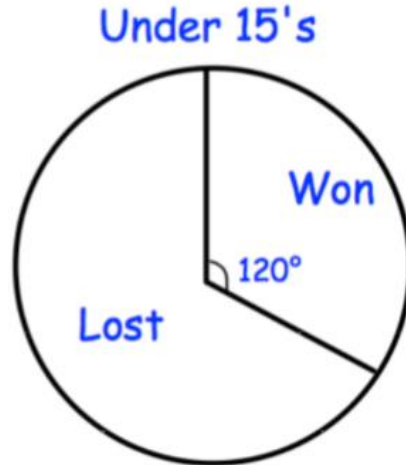
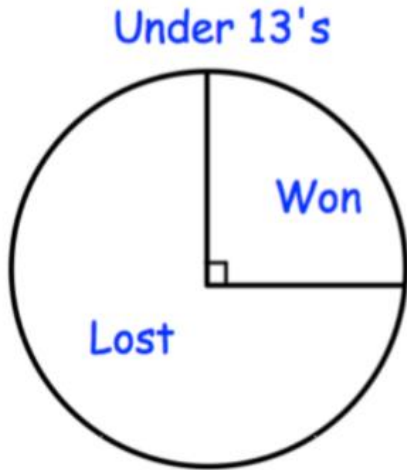
What fraction of children chose either dog, cat or parrot as their favourite animal?

Answer:  $\frac{1}{2}$

A school has two rugby teams, Under 13's and Under 15's.

The pie charts show information about the number of matches each team won and lost, last season.

Put a T or F in the boxes to show which statements are true or false



The Under 15's won **a third** of their matches

T

The Under 13's lost **a quarter** of their matches

F

The Under 13's won 7 matches

T

The Under 15's won more matches than the Under 13's

F

The Under 13's played 28 matches.  
The Under 15's played 18 matches.

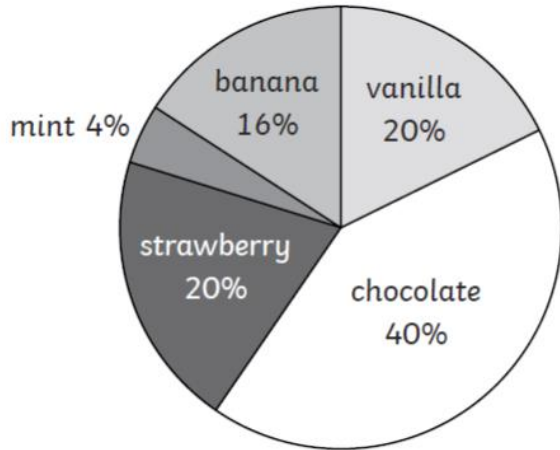
**Under 13s**

**$\frac{1}{4}$  of 28 = 7 won**  
 **$\frac{3}{4}$  of 28 = 21 lost**

**Under 15s**

**$\frac{1}{3}$  of 18 = 6 won**  
 **$\frac{2}{3}$  of 18 = 12 lost**

### Favourite Ice Cream Flavours



chocolate     vanilla     banana     mint     strawberry

50 people were asked about their favourite ice cream flavour.

How many said that chocolate was their favourite?

$$\begin{aligned} &40\% \text{ of } 50 = \\ &10\% \text{ of } 50 = 5 \times 4 \text{ (40\%)} \\ &= 20 \end{aligned}$$

How many people said that mint was their favourite?

$$\begin{aligned} &4\% \text{ of } 50 = \\ &1\% \text{ of } 50 = 0.5 \times 4 \text{ (4\%)} \\ &= 2 \end{aligned}$$

10 people like vanilla best of all. True or False? Use a calculation to prove your answer.

$$\begin{aligned} &20\% \text{ of } 50 = \\ &10\% \text{ of } 50 = 5 \times 2 \text{ (20\%)} = \\ &10 \text{ so True.} \end{aligned}$$