There are **60** children in Year 6 at Wellesbourne School.

They each voted for the sport they wanted to play in their PE lessons.


How many children voted for football?

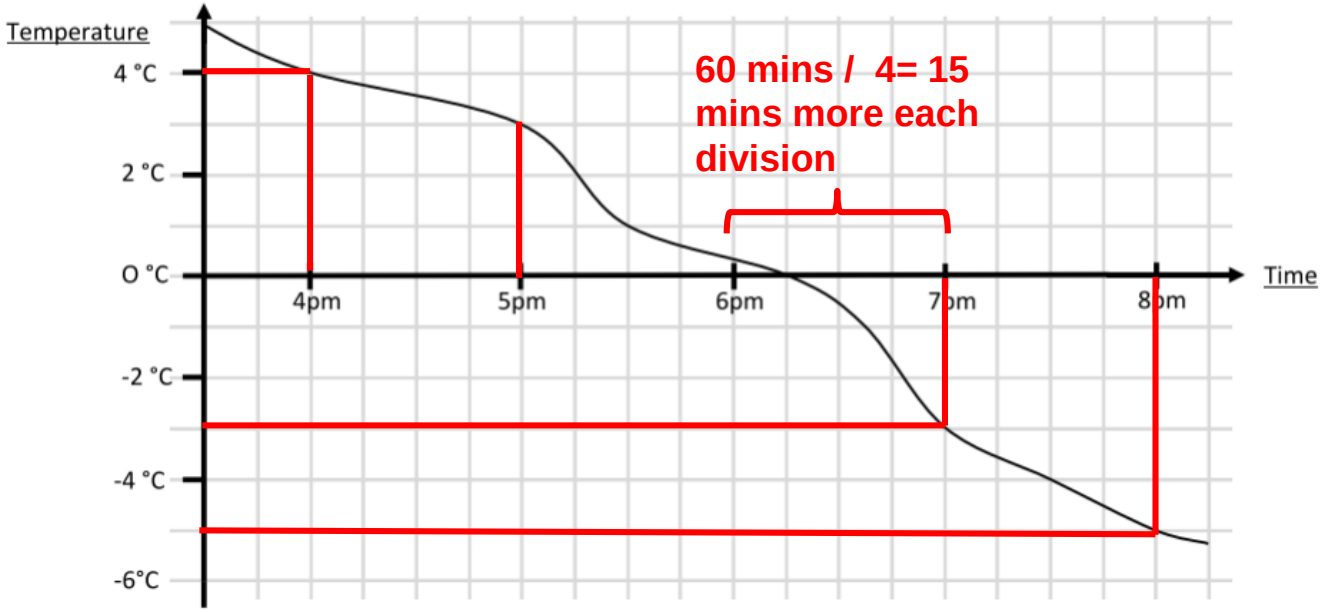
Answer: **30**

Rounders received 15% of the votes.

What percentage of the children voted for cricket?

Answer: **10%**

This graph shows the temperature in Banbury on a winter evening.




What was the temperature at 5.00 pm?

Answer: **3˚C**

What was the time when the temperature reached 0°C ?

Answer: **6:15pm**

Eve went out at 4:00pm. She returned home 3 hours later. By how much had the temperature fallen while she was out?

Answer: **4˚C - -3˚C= 7˚C**

Zac checked the temperature at 8:00pm. He checked again at 8:00 am the next morning. He noticed the temperature has risen by 12°C.
What was the temperature at 8:00 am the next morning?

Answer: **-5˚C + 12 = 7˚C**

9. Rosie is revising for an exam. The pictogram shows how many hours she spent revising over five days.

Key: ◯ represents 2 hours

| | |
|---|---|
| Monday | ◯ 2 hours |
| Tuesday | ◯ 2 hours |
| Wednesday | ◯ ◯ 4 hours |
| Thursday | ◯ ◖ 3 hours |
| Friday | ◖ 1 hour |

a. How many hours did Rosie spend revising on Tuesday?

Answer: **2 hours**

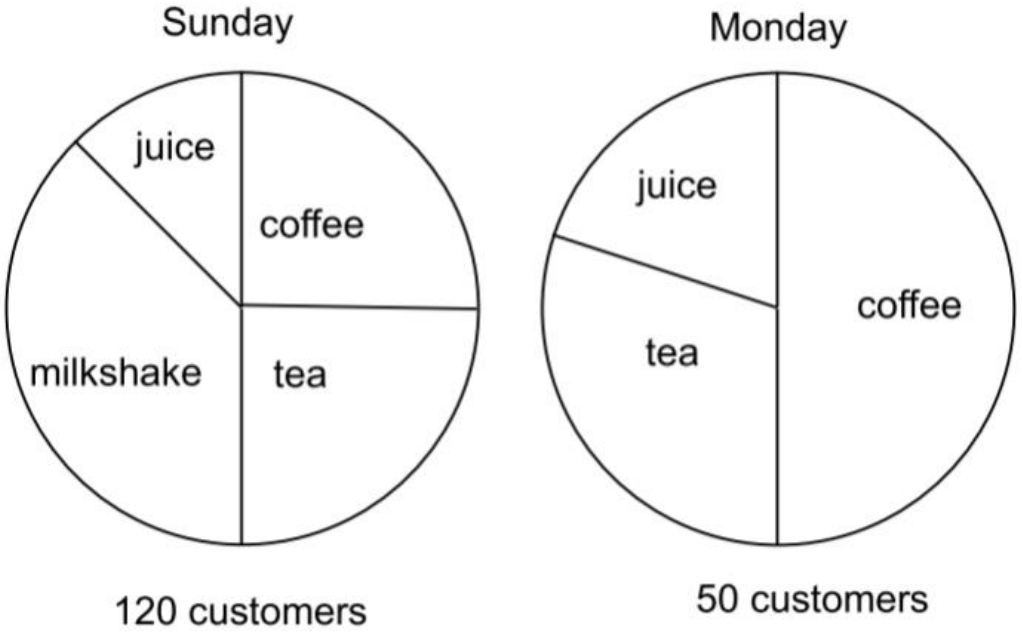
b. On which day did Rosie spend 4 hours revising?

Answer: **Wednesday**

c. How many hours did Rosie spend revising in total?

Answer: **2 +2 +4 +3 +1= 12 hours**

These pie charts show the number of drinks sold by a café in two days.

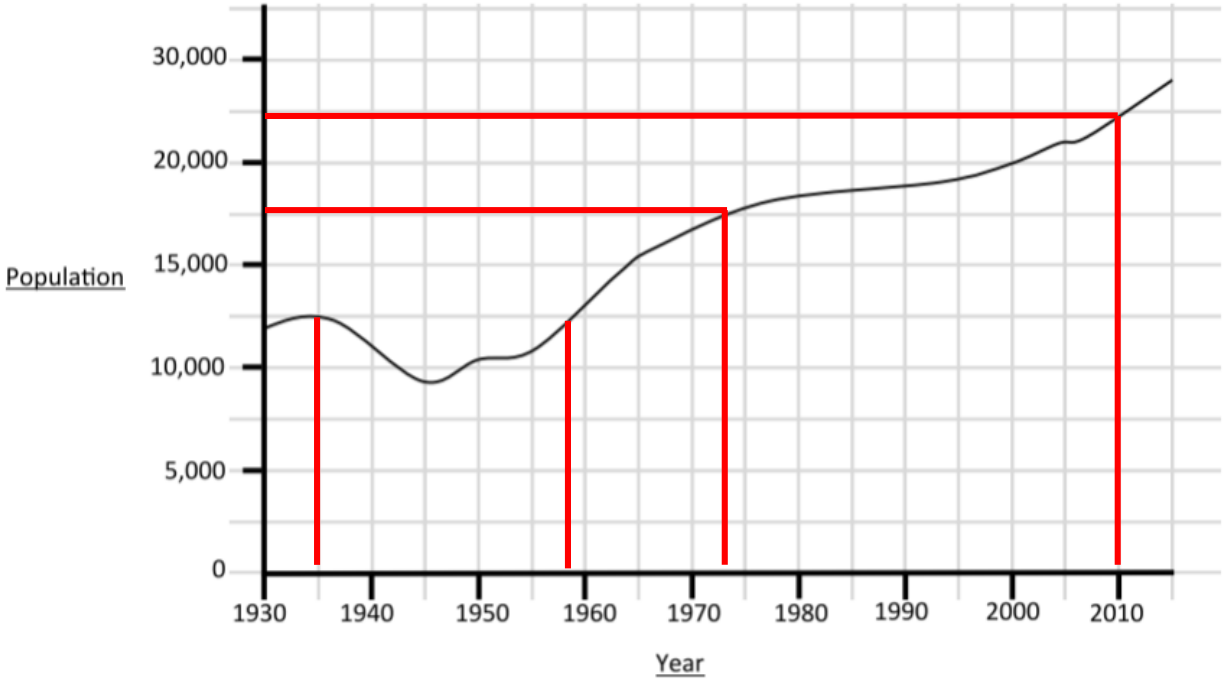



Ten glasses of juice were sold on Monday.
How many cups of tea were sold on Monday?
Answer: **½ of 50 = 25 – 10 = 15 cups of tea**

Felix says, “There were more cups of coffee sold on Monday than on Sunday.”
Is he right? Explain how you know.
Answer:
Explanation:
**½ of 50 = 25 cups of coffee on Monday**
**¼ of 120 = 30 cups of coffee on Sunday.**

**So, he is wrong because 5 more cups of coffee were sold on Sunday as compared to Monday.**

___ The graph shows the population of Warwick from 1930 to 2015.




Estimate the population of Warwick in 2010.

Answer: **25,000. Will also accept 24,900**

In which year did the population first reach 17,500?

Answer: **1974**

The population of Warwick reached 12,500 in 1935. It then fell.
How many years did it take until the population reached 12,500 again?

Answer: **23/24 years**

Marcus threw a javelin 3 times.

He measured the distance and rounded to the nearest metre.

| | Throw 1 | Throw 2 | Throw 3 |
|---|---|---|---|
| Distance (metres) | 10 | 14 | 15 |

What was the mean average distance he threw?

**10 + 14 + 15 = 39 /3 = 13**

**13** m

Eve ran 200 metres four times. These are her times in seconds.

**35.2** **34.3** **36** **34.9**

**35.2 + 34.3 + 36 + 34.9 = 140.4 / 4 = 35.1**

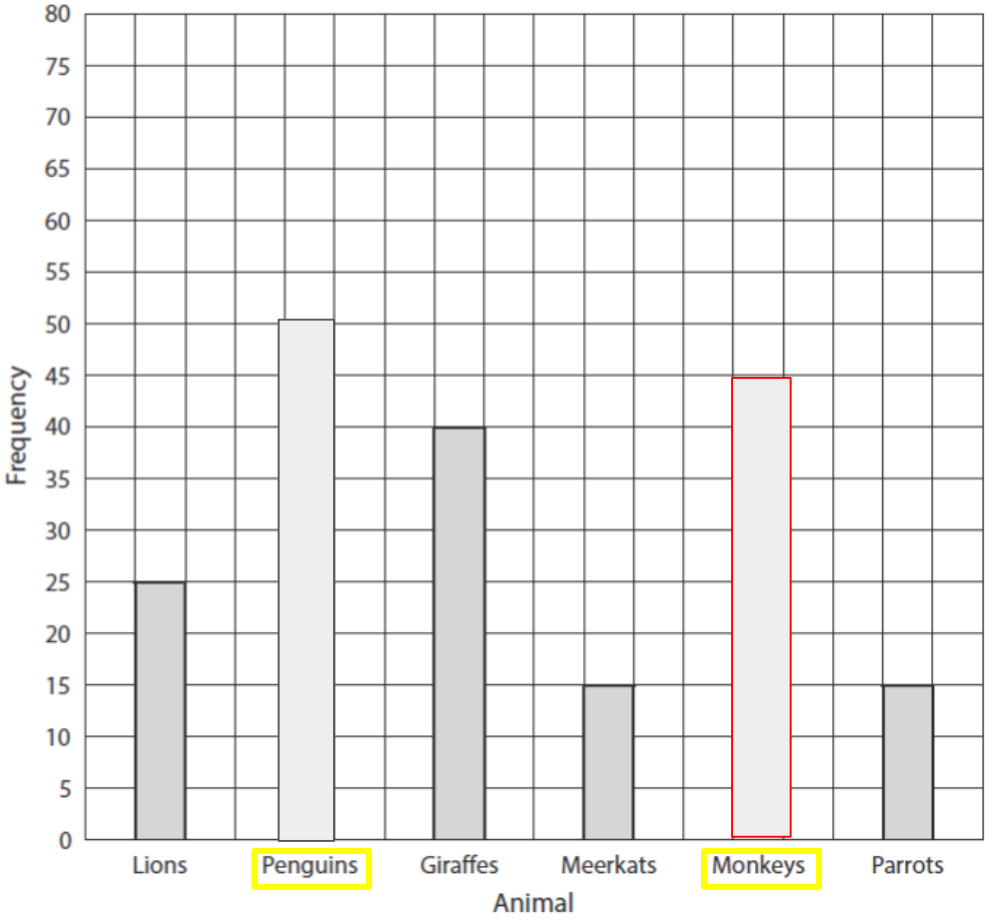
What was her mean average time?

**35.1** Seconds

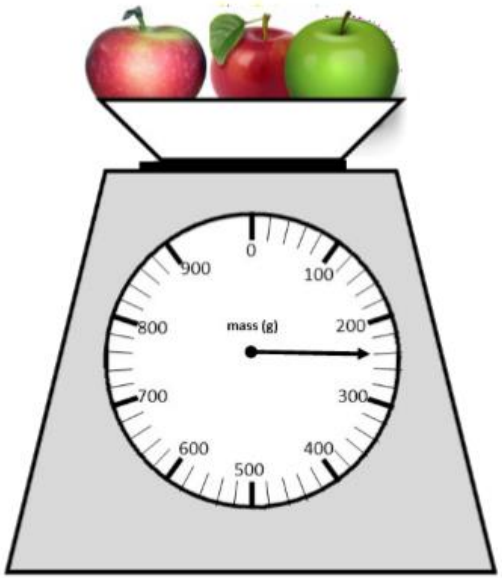
A zoo records information about the average number of visitors to certain animals each hour. Complete the bar chart (use shape tool to create a rectangle for penguins and monkeys) and fill in the frequency table where the boxes are yellow.
**Hint** use the total to help you calculate the amount of monkeys.

| Animal | Frequency |
|---|---|
| Lions | 25 |
| Penguins | 50 |
| Giraffes | 40 |
| Meerkats | 15 |
| Monkeys | 45 |
| Parrots | 50 |
| Total | 225 |

**225 – 25 = 200 – 50 = 150 – 50 = 100 – 40 = 60 – 15 = 45**



Three apples are placed on a measuring scale.




What is the mean average mass of the apples?

**240 / 3 = 80**

**80** g

The middle apple is removed.
The mean average mass of the two remaining apples is 75g.

What is the mass of the apple that was removed?

Answer: **75 x 2 for total of 2 apples = 150 so 240-150 = 90g**