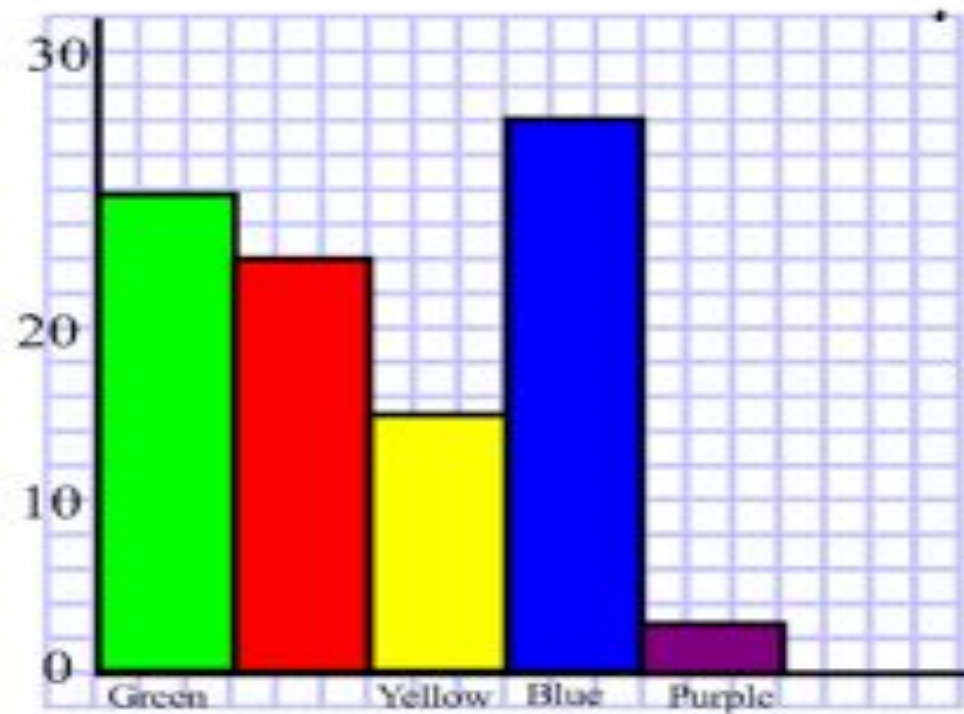


Year 5 Week 9 Lesson 3

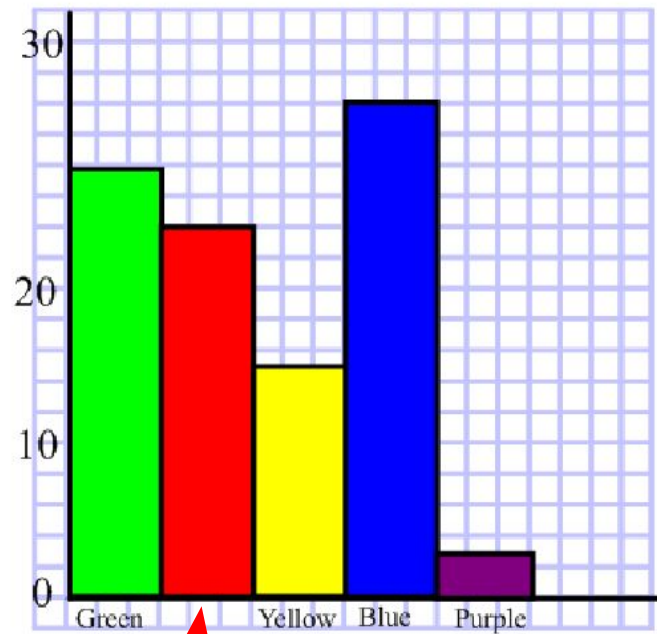
Can I interpret comparative bar graphs?

Fast Five

What is wrong with this bar chart?

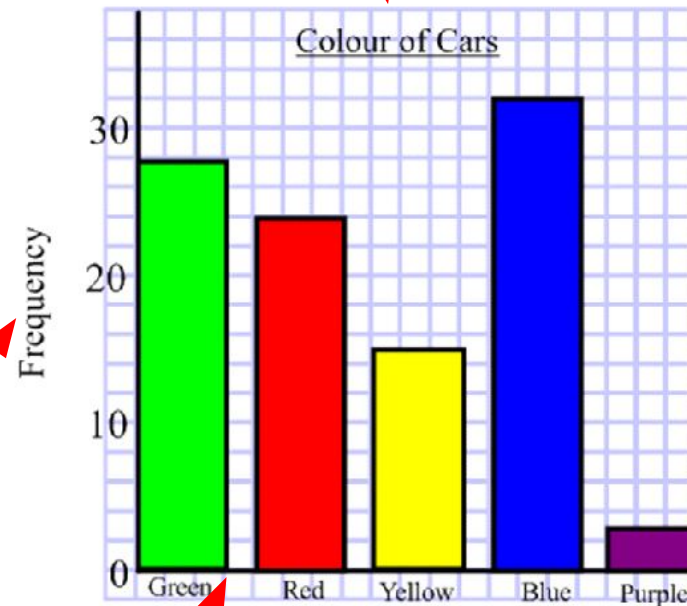


Fast Five - Answers



Missing bar label.
All bars should be
labelled

The graph should
have a Title



Axes
should be
labelled

There should be
spaces between
the bars

A quick recap on scales in bar graphs

In this graph some of the bars reach half way between two lines.

On Monday the reaches halfway between 20 and 30.

The halfway point between 20 and 30 is **25**.

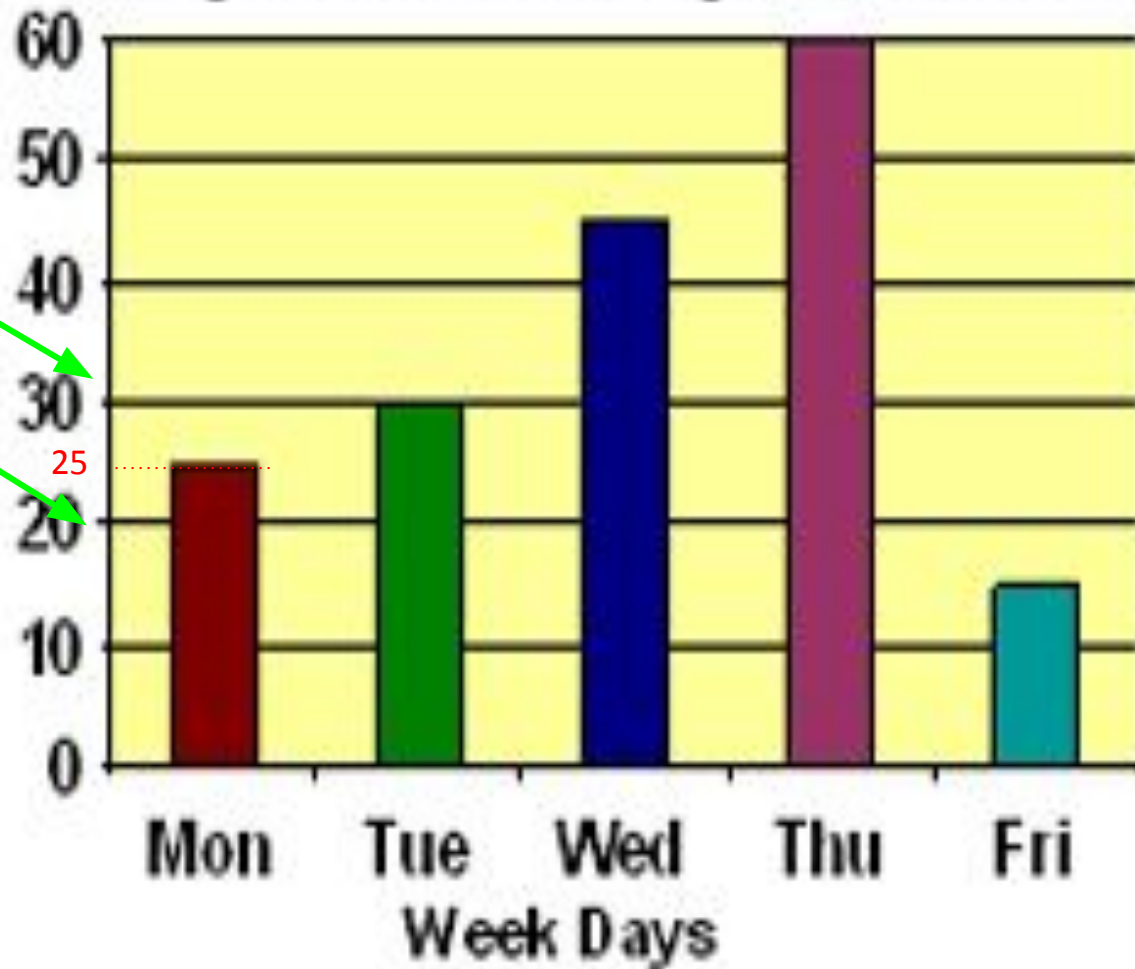
The scale goes up in 10s

Half of 10 is 5.

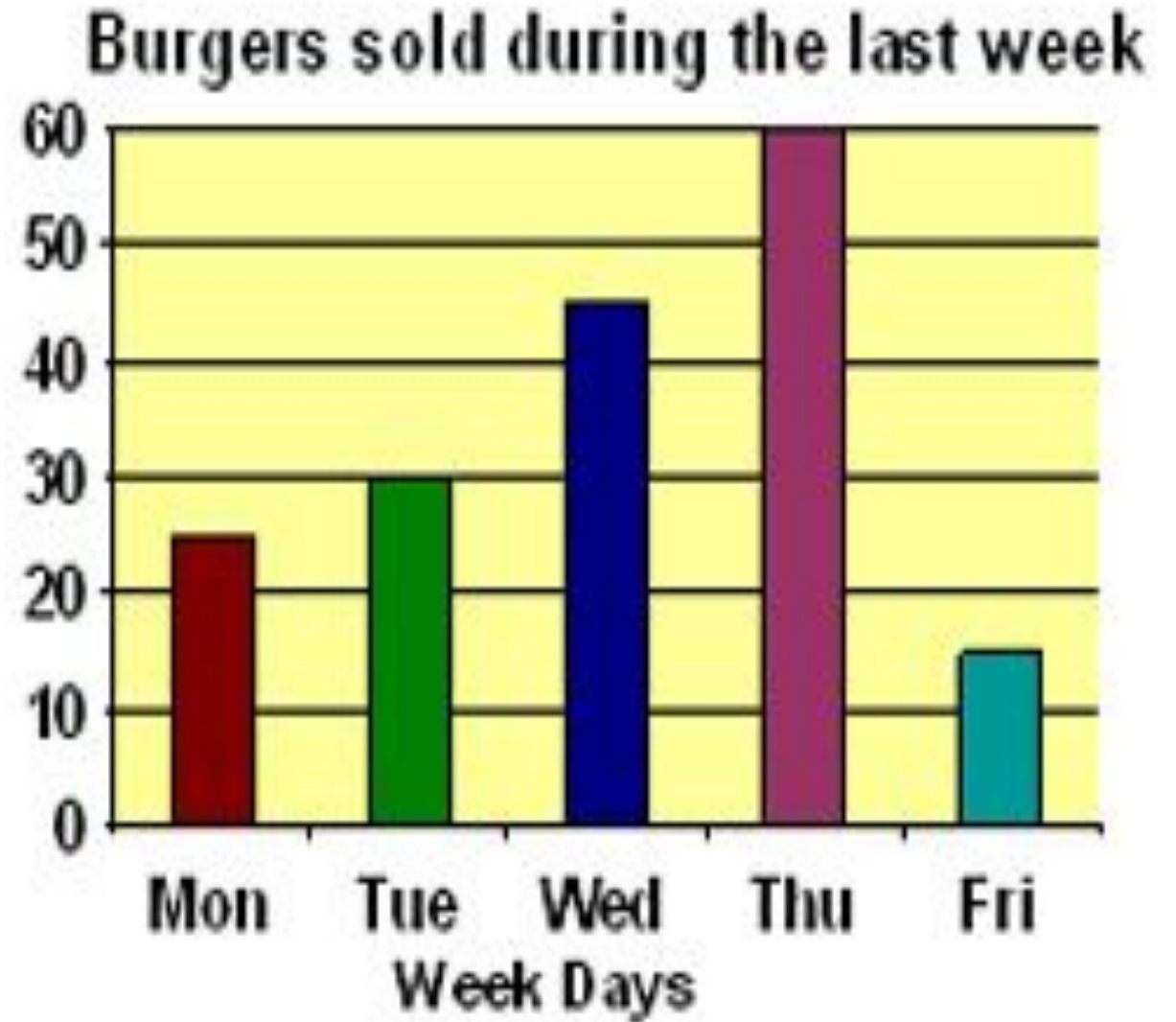
$$20 + 5 = 25$$

$$30 - 5 = 25.$$

Burgers sold during the last week



What is the figure for Friday?



What is the figure for Friday?

This bar reaches halfway between 10 and 20.

Halfway between 10 and 20 is **15**.

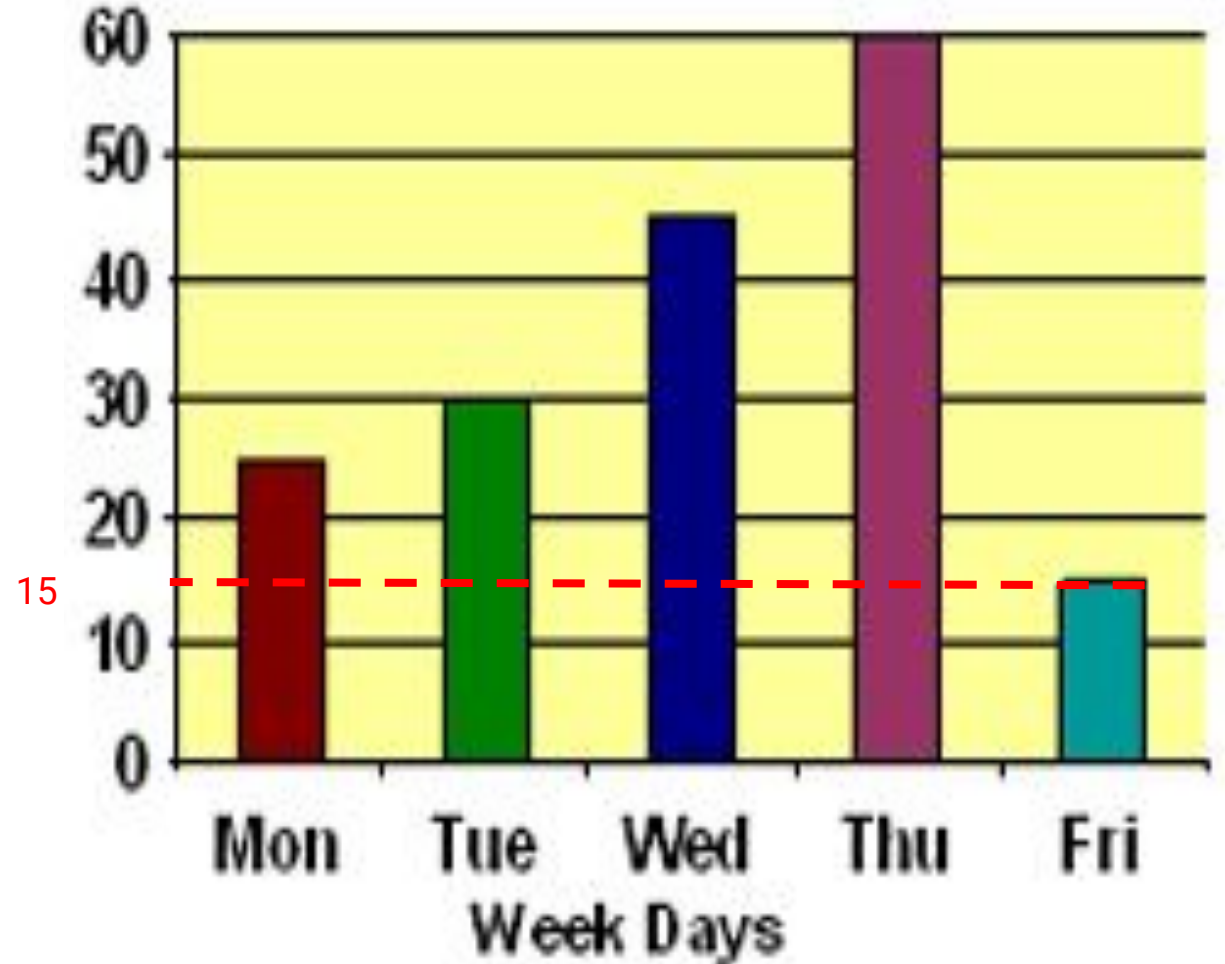
The scale goes up in 10s

Half of 10 is 5.

$$10 + 5 = 15$$

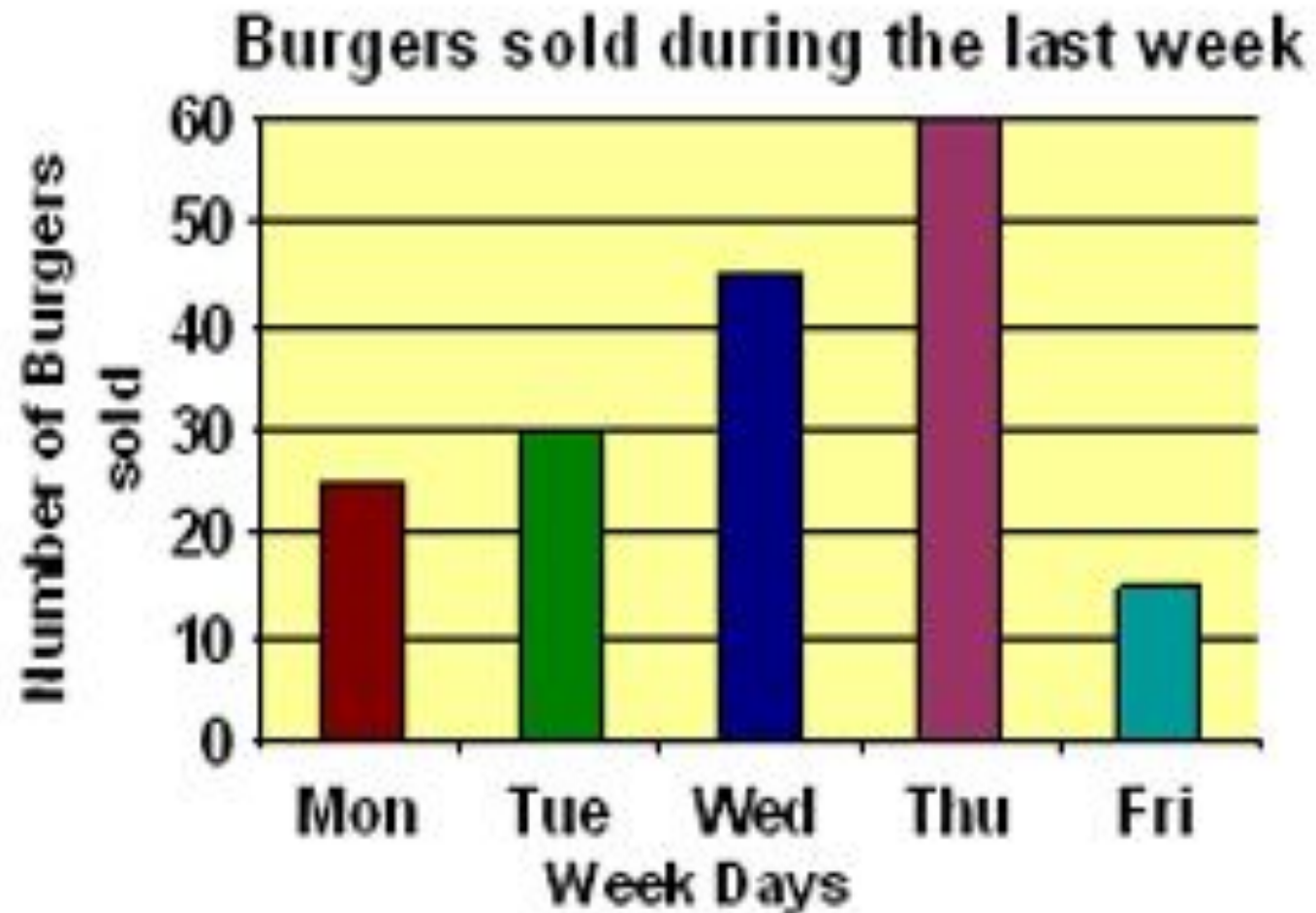
$$20 - 5 = 15$$

Burgers sold during the last week





1. How many more burgers were bought on Wednesday than Friday?
2. Which two days sales figures (added together) equal the same as Thursday's figure?



1. How many more burgers were bought on Wednesday than Friday?

Step one

Wednesday = 45 burgers

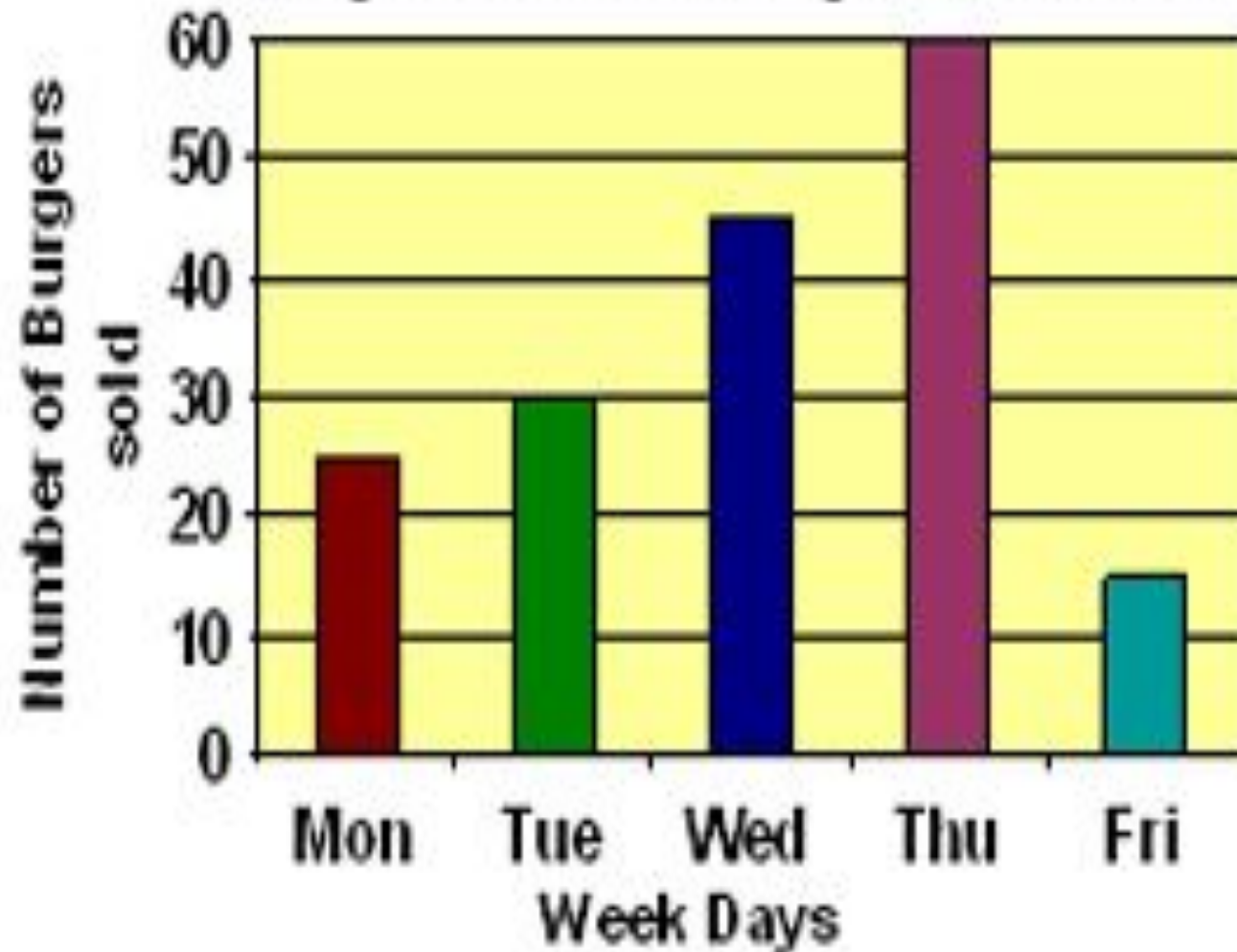
Friday = 15 burgers

Step two

Wednesday sales – Friday sales

$$45 - 15 = 30 \text{ more burgers}$$

Burgers sold during the last week



2. Which two days sales figures added together equal Thursday's figure?

Thursday = 60 burgers sold

Wednesday = 45 burgers

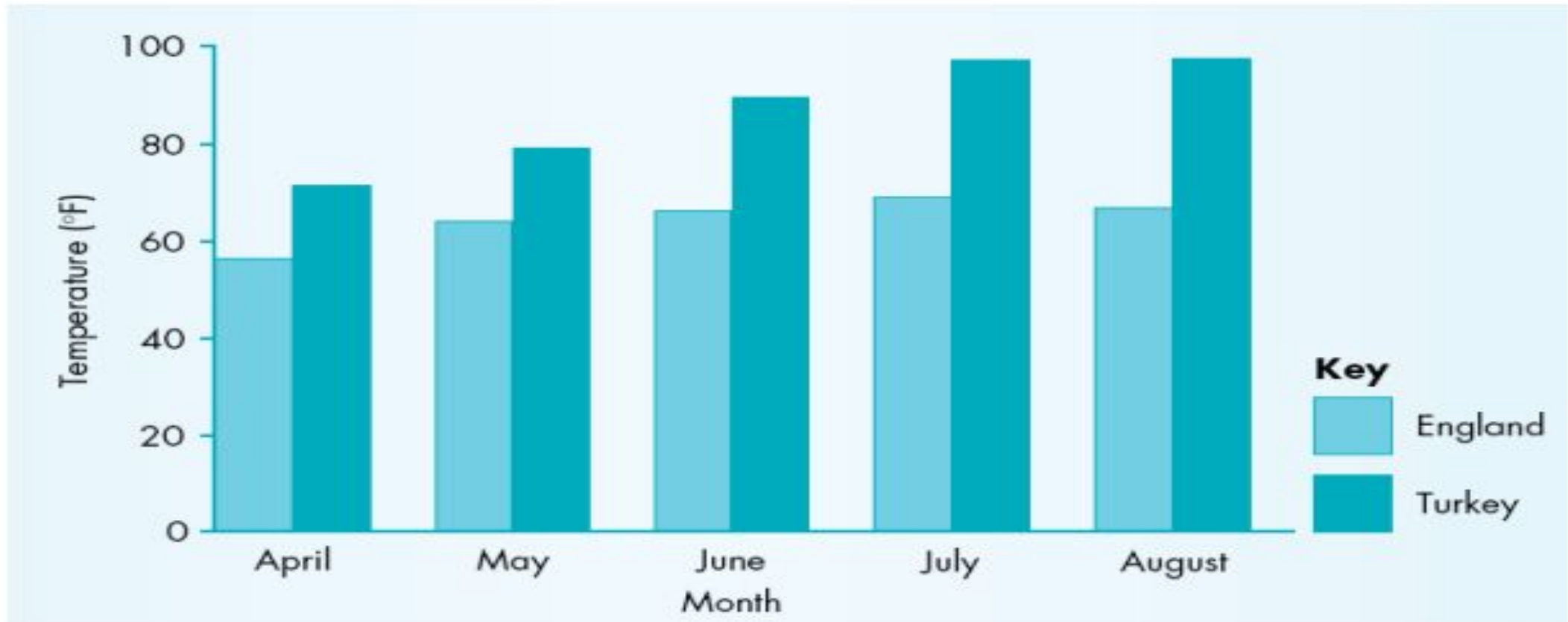
Friday = 15 burgers

$45 + 15 = 60$ burgers

So Wednesday and Friday

Comparative bar graphs

If we want to compare two sets of related data we can use a ***comparative bar graph***:



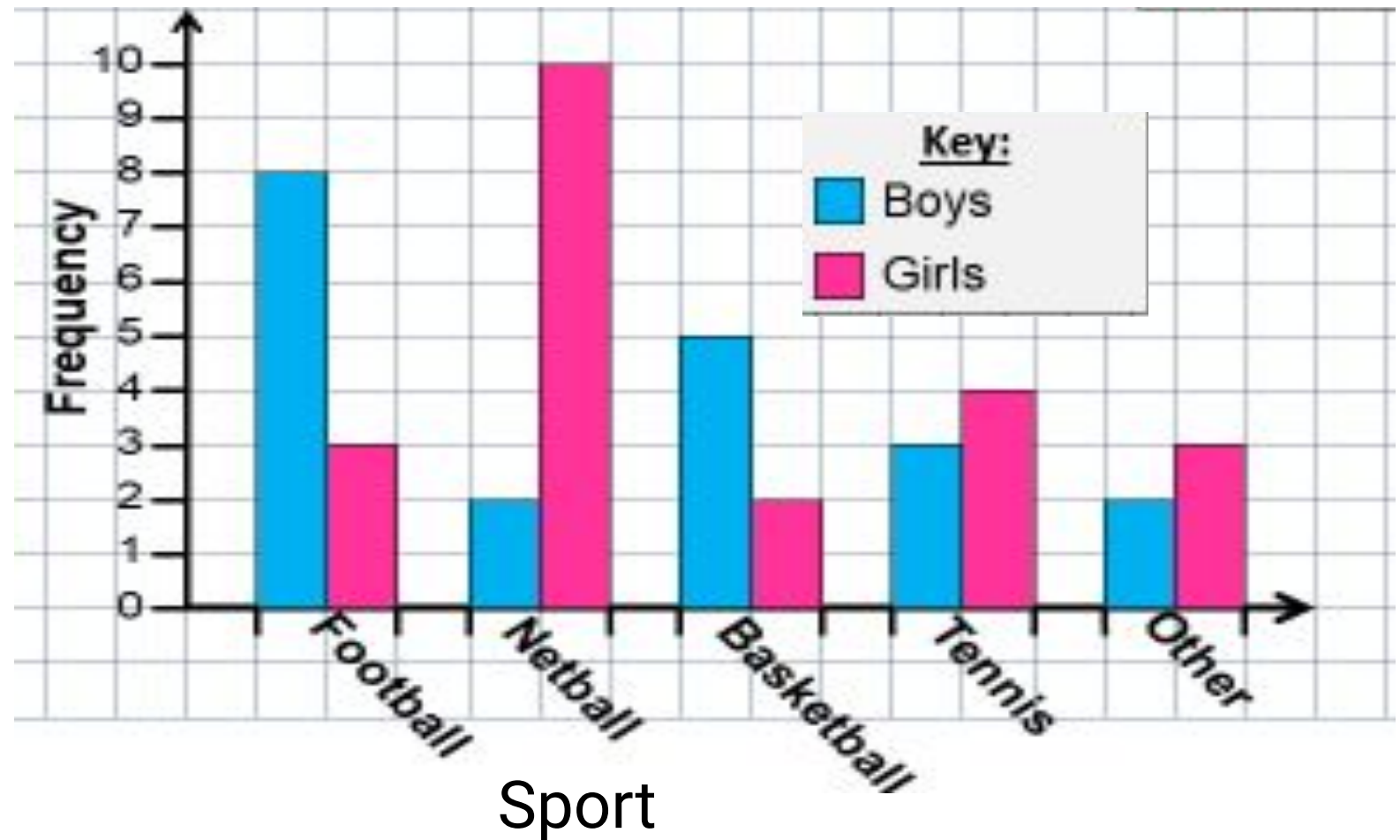
(Notice the gaps between each pair of bars).

Comparative bar graphs

Boys and girls favourite sport in Year 5

Here we can find people's favourite sports and identify what girls like compared to boys. We can see if there is a difference.

1. Which sport did girls like the most?
2. Which sport did boys like the most?



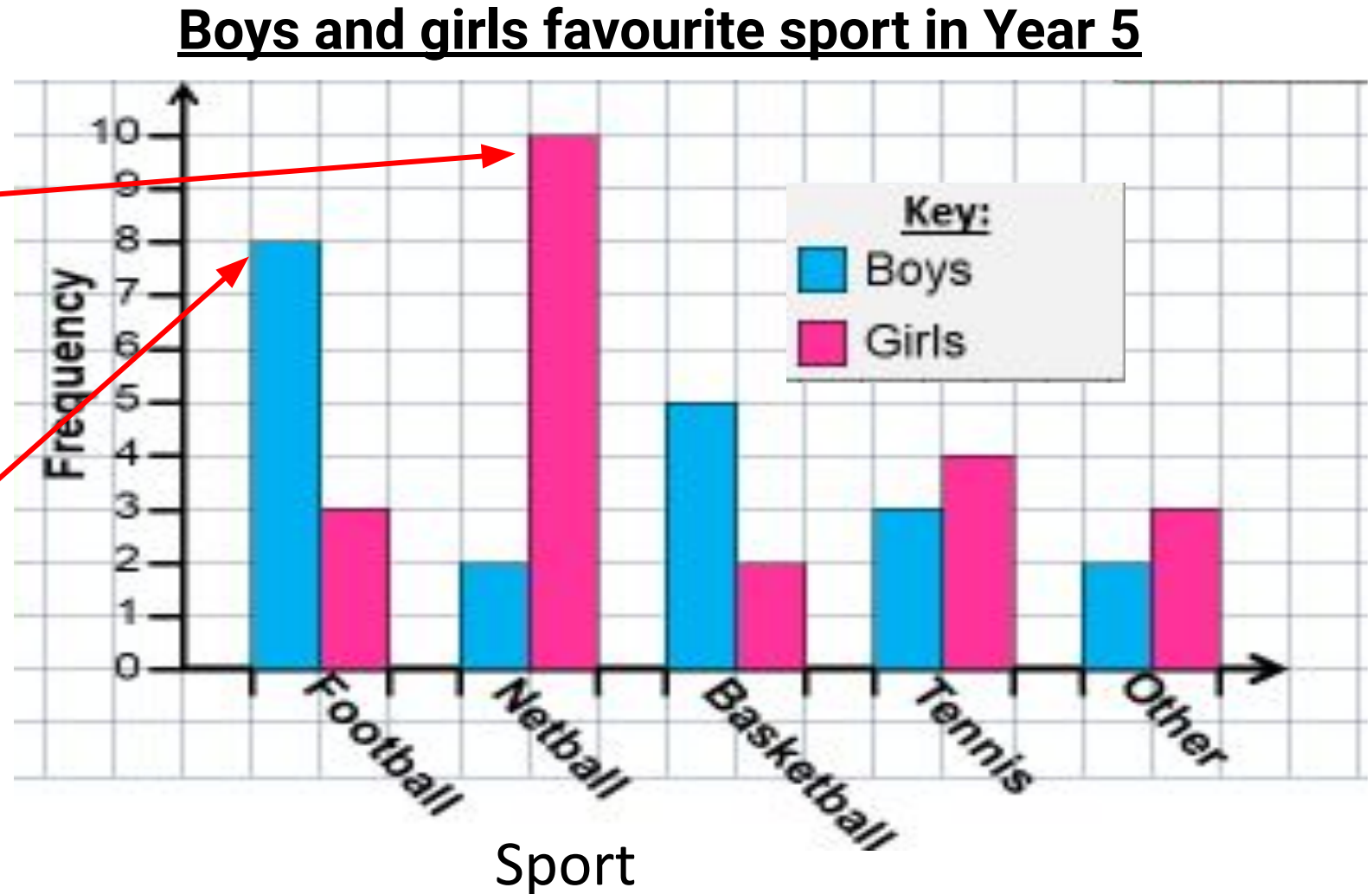
Comparative bar graphs – if we want to compare two sets of related data we can use a *comparative bar graph*:

1. Which sport did girls like the most?

Netball, 10 girls liked this sport the most

2. Which sport did boys like the most?

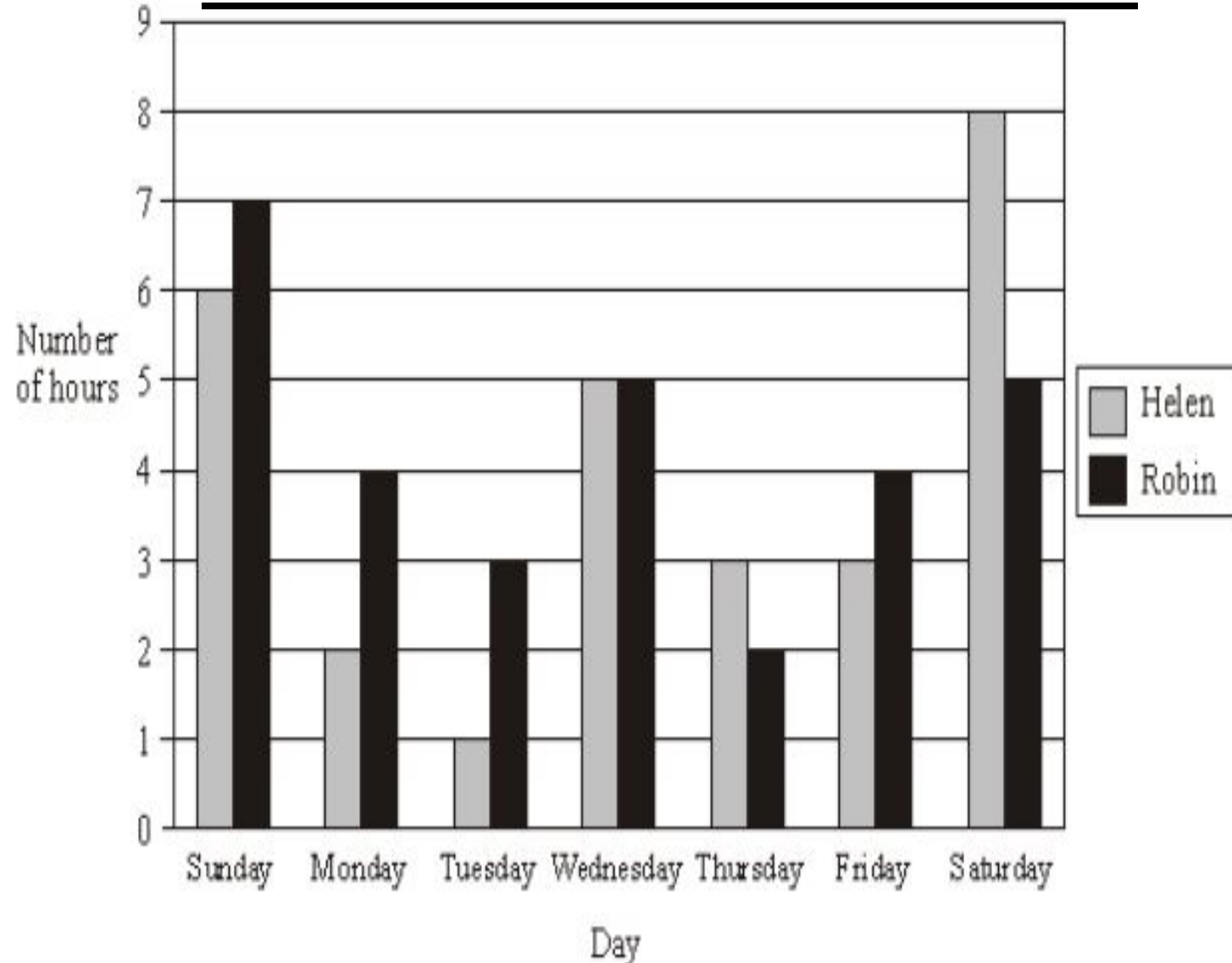
Football, 8 boys liked this sport the most



Questions

1. Who worked more hours last week? Helen or Robin?
2. On which day did Helen work the least number of hours?
3. On which day did they both work the same amount?
4. On how many days did Helen work more hours than Robin?

Hours of work completed by Helen and Robin in one week



Questions

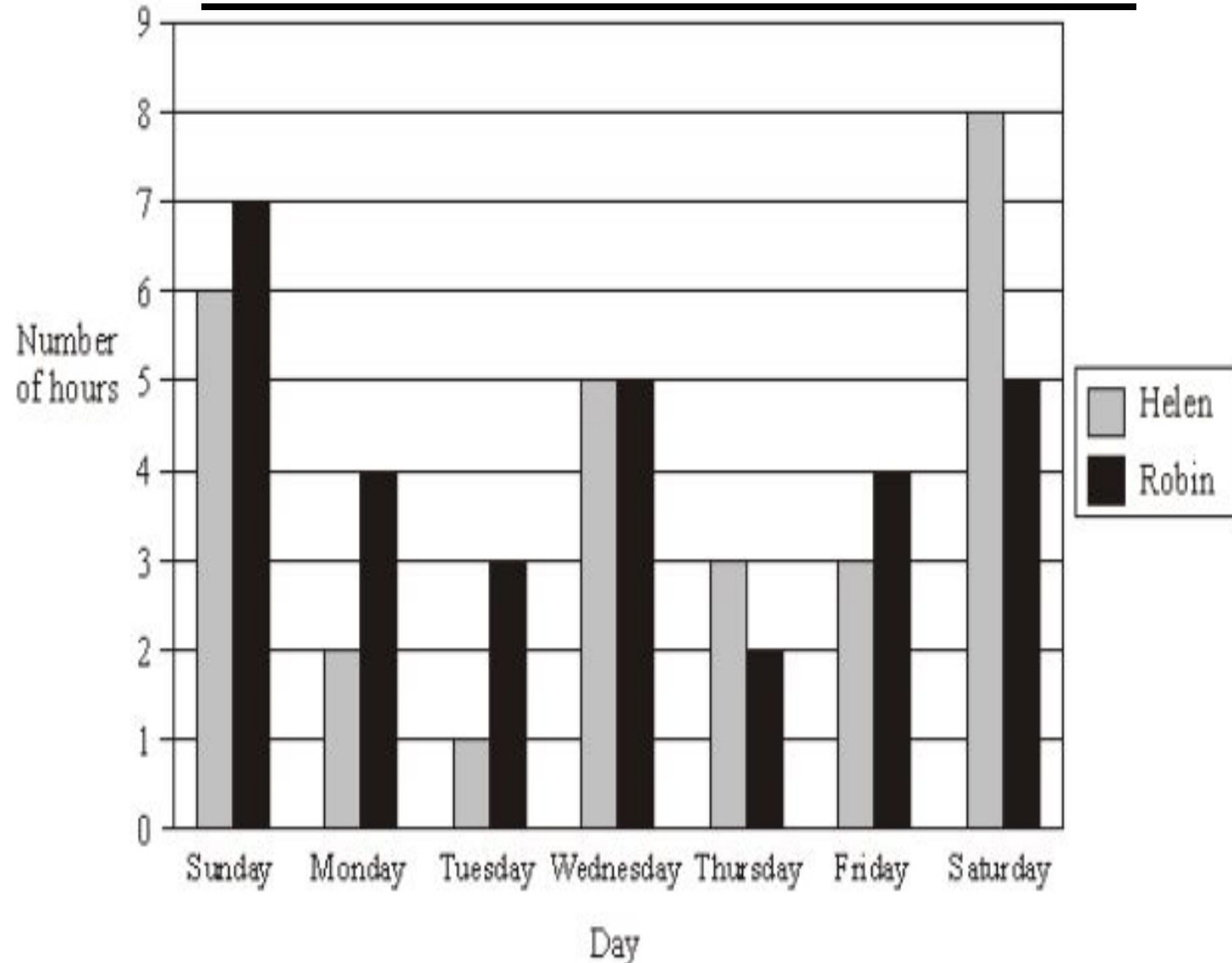
1. Who worked more hours last week Helen or Robin?

Helen = $6 + 2 + 1 + 5 + 3 + 8 = 25$ hours

Robin = $7 + 4 + 3 + 5 + 2 + 4 + 5 = 30$ hours

So Robin worked for more hours.

Hours of work completed by Helen and Robin in one week

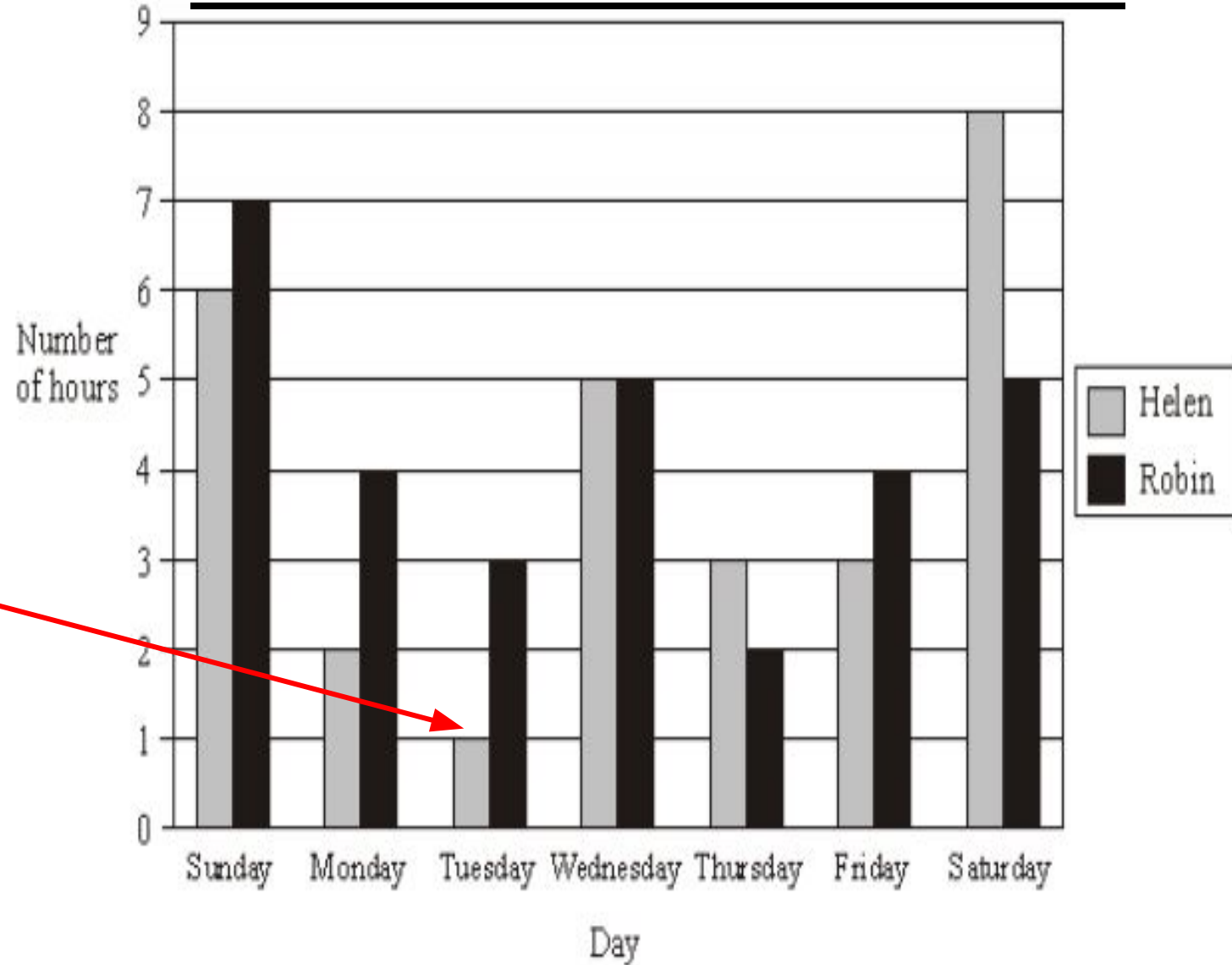


Questions

2. On which day did Helen work the least hours?

Tuesday

Hours of work completed by Helen and Robin in one week

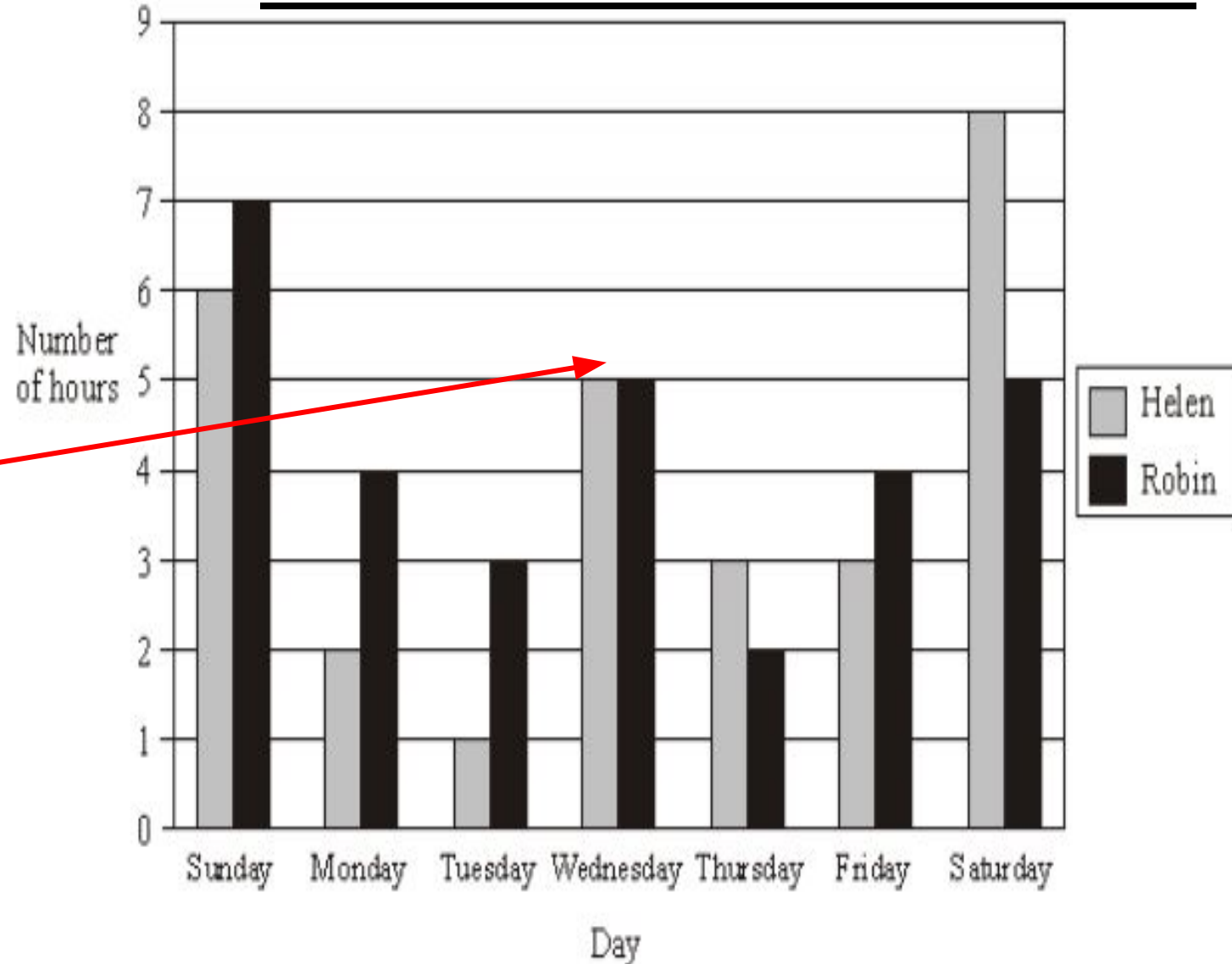


Hours of work completed by Helen and Robin in one week

Questions

3. On which day did they both work the same amount?

Wednesday



Hours of work completed by Helen and Robin in one week

Questions

4. On how many days did Helen work more hours than Robin?

2 days, Thursday and Saturday

