

Football pictograms and bar charts



























Solve problems using data presented in scaled pictograms, bar charts and tables

ange



The pictogram shows the distance the players in the school's football team could kick the ball during football practice.

Distances kicked by school's football team

Distances kicked in practice

20 m								
25 m								
30 m								
35 m								
40 m								

Number of players

Key  2 players  1 player

1 Copy and complete the table below using the data in the pictogram.

2 What was the maximum distance most players could kick the football?

3 a How many players could not kick the football as far as 30 m?

b How many players could kick the football further than 30 m?

4 How many players attended the school's football practice?

Distance	Number of players
20 m	
25 m	
30 m	
35 m	
40 m	



Challenge 2

The bar chart shows the number of goals scored by the school's top five players during the season.

1 Using the data in the bar chart, copy and complete the table.

2 a Who was the top scorer for the football season?

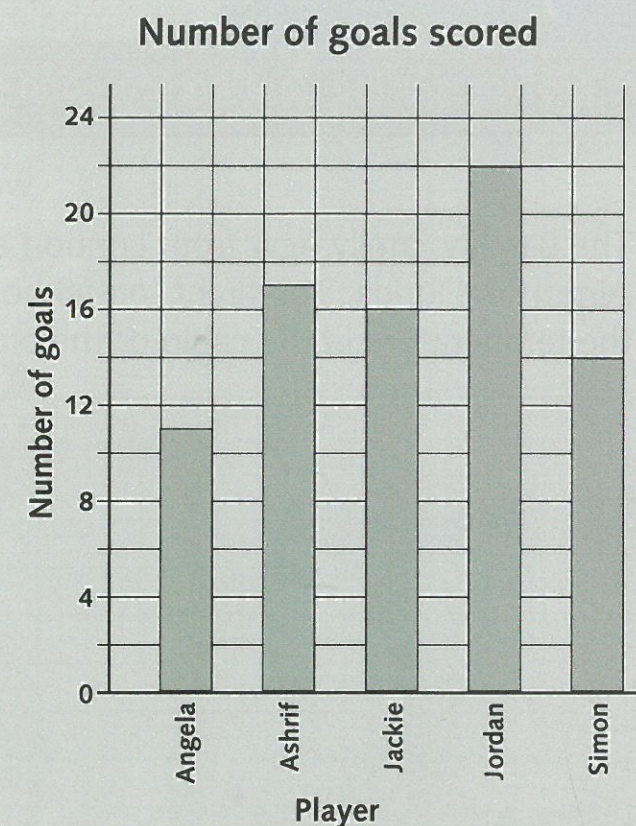
b How many more goals did Ashrif score than Angela?

c How many goals did Jackie and Jordan score between them?

d How many fewer goals did Simon score than Jordan?

e Jordan scored 14 penalty goals. How many of his goals were not penalty goals?

f What was the total number of goals scored by all 5 players?



Player	Number of goals
Angela	
Ashrif	
Jackie	
Jordan	
Simon	

Challenge 3

Work with a partner.

- Take 20 turns each to spin the spinner and make a tally mark for each goal scored.
- Count the tally marks and complete the frequency column in the table.
- Draw a bar chart using the data from the frequency table.
- Write three questions about the bar chart for your partner to answer.

You will need:

- Resource 46: Football spinner
- paper clip and pencil – for the spinner
- squared paper