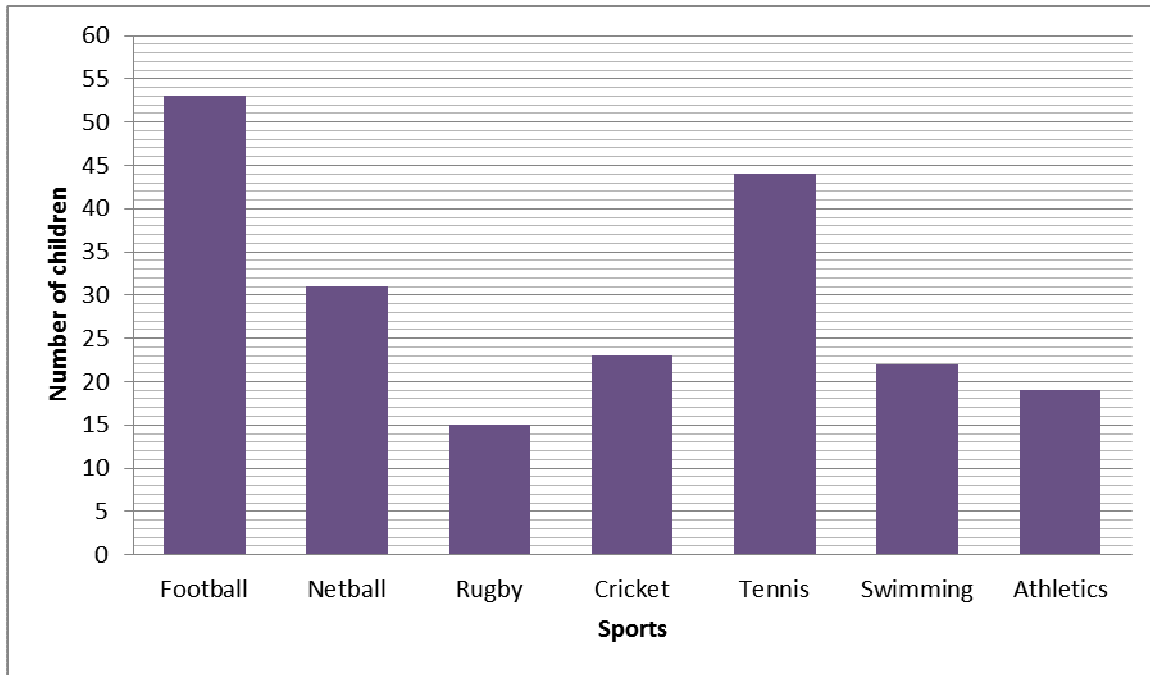


## Lesson 5 Can I solve problems with bar charts and pictograms?

RED

### A graph to show children's favourite sports



How many children liked rugby and cricket the best?





What is the total number of children who like tennis and swimming the most?


What is the sum of children who like netball and football?

What is the total of the two most popular sports?

What is total of the two least popular sports?

1b. Danish has created this pictogram.

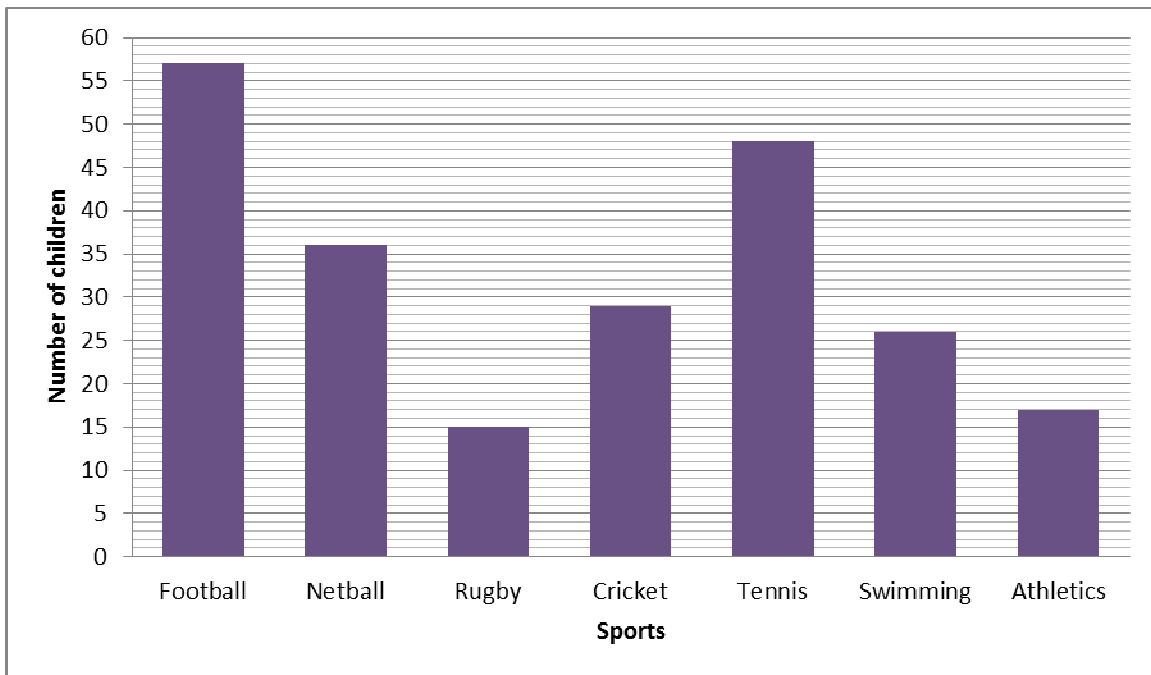
Day	Number of Pretzels Sold
Thursday	
Friday	
Saturday	
Sunday	

Key:  = 1 pretzels sold

He thinks four more pretzels were sold on Friday than on Thursday. True or false?

## Lesson 5 Can I solve problems with bar charts and pictograms?

**YELLOW** A graph to show which sport children voted as their favourite



74 children like football and which other sport?

What is the difference between the total of children who prefer athletics and swimming and the number of children who prefer football?

Rugby has 21 fewer children prefer it than another sport. What is this other sport?

What is the difference between the total of the two most popular sports and the total of the two least popular sports?

The least popular sport has 33 fewer votes than which sport?

Sue draws a pictogram to show the children's favourite author.

Author	Number of Children 1 book = 10 children
Dahl	
Walliams	
Rowling	
Morpurgo	

Half the number of children that voted Dahl, voted Morpurgo.



Is she correct? Explain your answer.

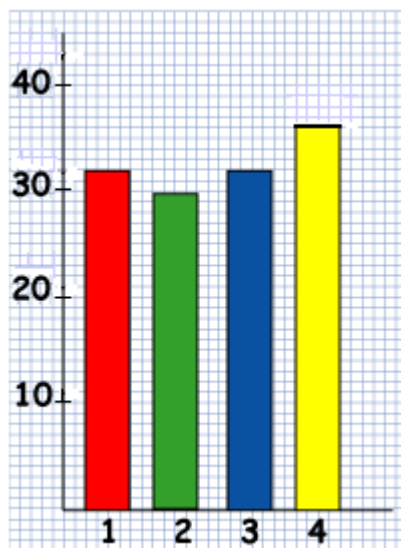
## Lesson 5 Can I solve problems with bar charts and pictograms?

GREEN

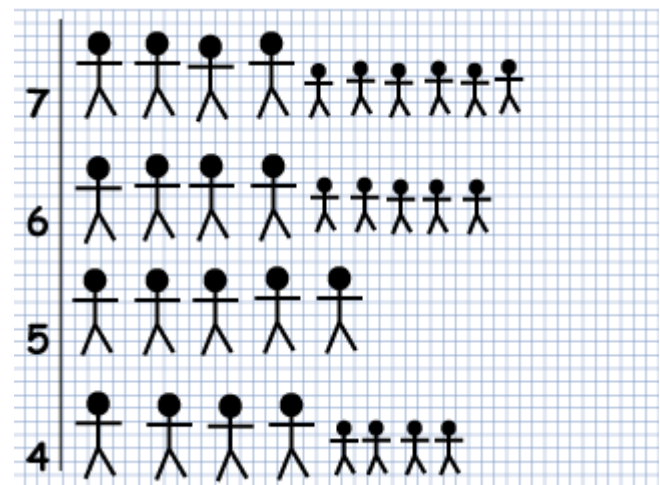
My class were making graphs. Ben, Ali, Katie and Charlene decided to make graphs of the sizes of seven classes in the school.

They went to Mrs Armsted to collect the numbers of children in all the other classes. Ben and Ali wrote down the numbers for Classes 1, 2 and 3. Katie and Charlene wrote down the numbers for Classes 5,6 and 7. Of course they all knew the number of children in Class 4—their class.

Ben and Ali drew a block graph. It looked like this:



Katie and Charlene decided to make theirs differently. They drew this graph:



"It's an interesting pictogram," I said, "but it's difficult to tell how many children are in each class. Please can you make a key so we can read it?"

Katie and Charlene did what they were told.

How many children were there altogether in Classes 5,6 and 7?