Homework/Extension
Step 2: Bar Charts

National Curriculum Objectives:

Mathematics Year 3: (3S1) Interpret and present data using bar charts, pictograms and tables

Mathematics Year 3: (3S2) Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Complete the partially filled tally chart using the information from the bar chart. Scales of 1, 2 or 10. No half intervals on bar charts.
Expected Complete the tally chart using the information from the bar chart. Scales of 1, 2, 5 or 10. No half intervals on bar charts.
Greater Depth Complete the tally chart using the information from the bar chart. Scales of 1, 2, 5 and 10. Including half intervals on bar charts.

Developing Match the descriptions to the correct label in the bar chart. Scales of 1, 2 or 10. No half intervals on bar charts.
Expected Match the descriptions to the correct label in the bar chart. Scales of 1, 2, 5 or 10. No half intervals on bar charts.
Greater Depth Match and complete partial descriptions to the correct label in the bar chart. Scales of 1, 2, 5 and 10. Including half intervals on bar charts.

Questions 3, 6 and 9 (Reasoning and Problem Solving)
Developing Correct and complete the bar charts from given clues. Scales of 1, 2 or 10 provided. No half intervals on bar charts.
Expected Correct and complete the bar charts from given clues. Scales of 1, 2, 5 or 10. No half intervals on bar charts.
Greater Depth Correct and complete the bar charts from given clues. Scales of 1, 2, 5 and 10. Including half intervals on bar charts.
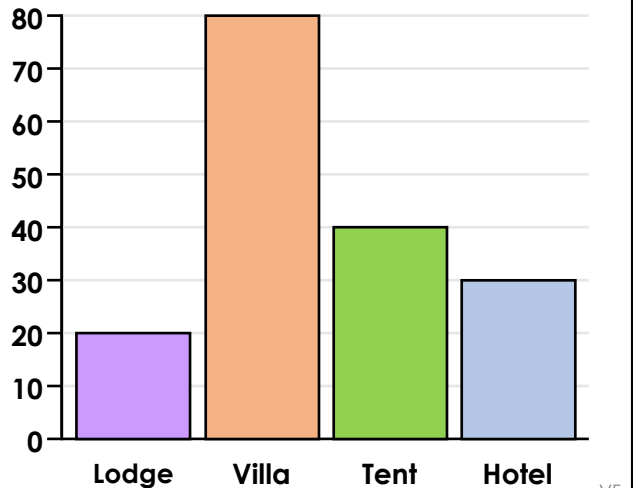
More Year 3 Statistics resources.

Did you like this resource? Don't forget to review it on our website.

Bar Charts

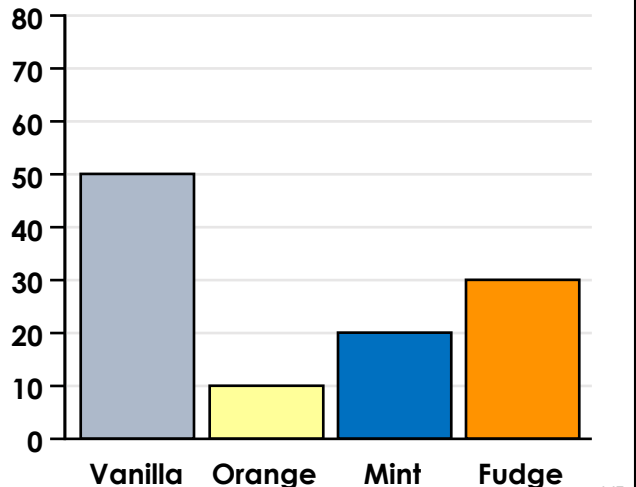## 1. Complete the tally chart using the information in the bar chart.

Accommodation	Number of Families
Lodge	卌 卌 卌 卌
Villa	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 卌
Tent	
Hotel	

Bar chart values: Lodge 20, Villa 80, Tent 40, Hotel 30

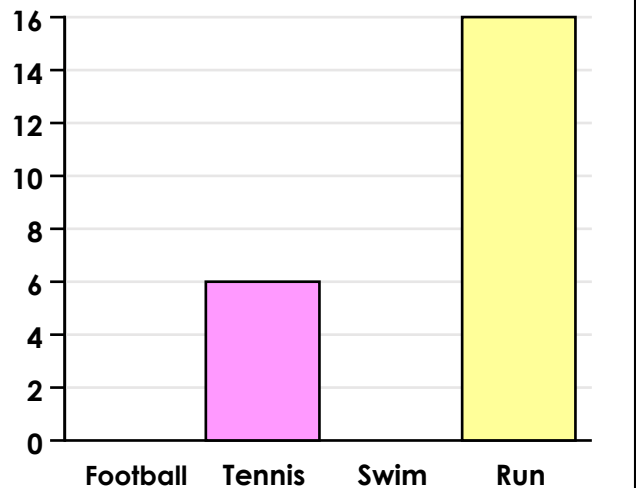## 2. Use the information in the bar chart to match the descriptions to the correct labels.

A. The most popular flavour.   Orange

B. Only ten children chose this flavour.   Fudge

C. This is twice as popular as another flavour.   Vanilla

D. 30 children chose this flavour.   Mint

Bar chart values: Vanilla 50, Orange 10, Mint 20, Fudge 30

3. Correct and complete the bar chart using the clues to help you.

There are 14 children who like running.

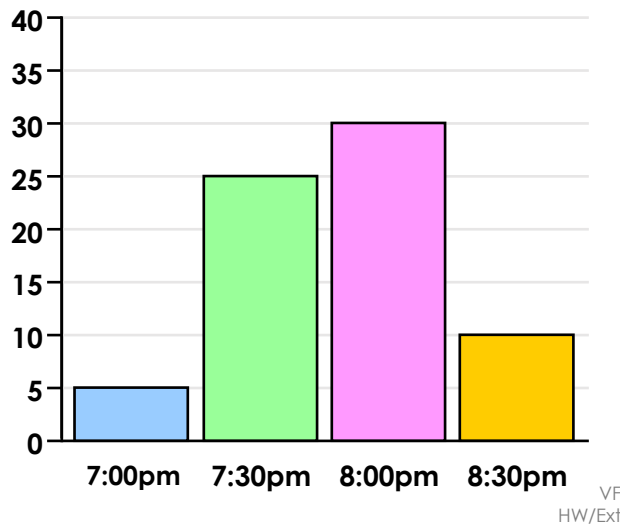Twice as many children like swimming than tennis.
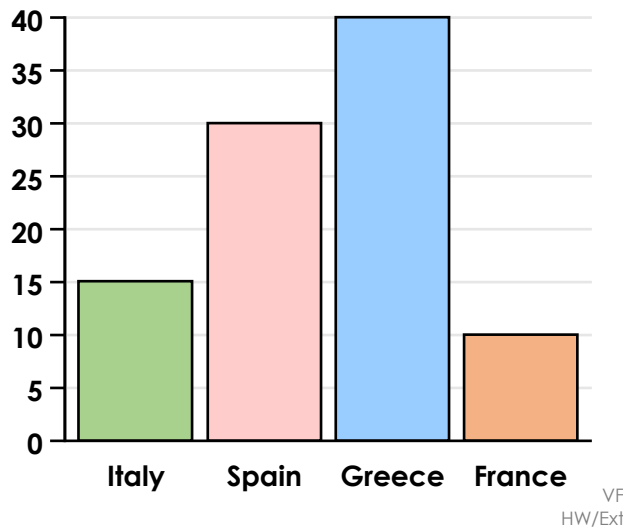
Football is the most popular.

Bar chart values: Football (none shown), Tennis 6, Swim (none shown), Run 16

Bar Charts

4. Complete the tally chart using the information in the bar chart.

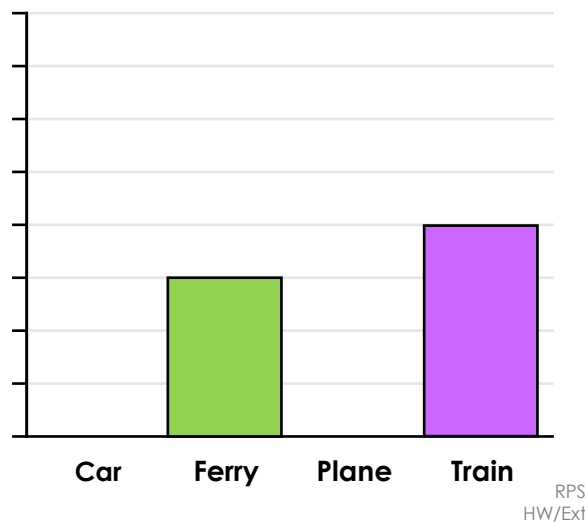| Bedtime	Number of Children
7:00pm	
7:30pm	
8:00pm	
8:30pm	

VF
HW/Ext

5. Use the information in the bar chart to match the descriptions to the correct labels.

A. This is the second most popular choice.

B. This is chosen by half as many people as another country.

C. This country is the least popular.

D. Four times more people chose this compared to another country.

France

Italy

Greece

Spain

VF
HW/Ext

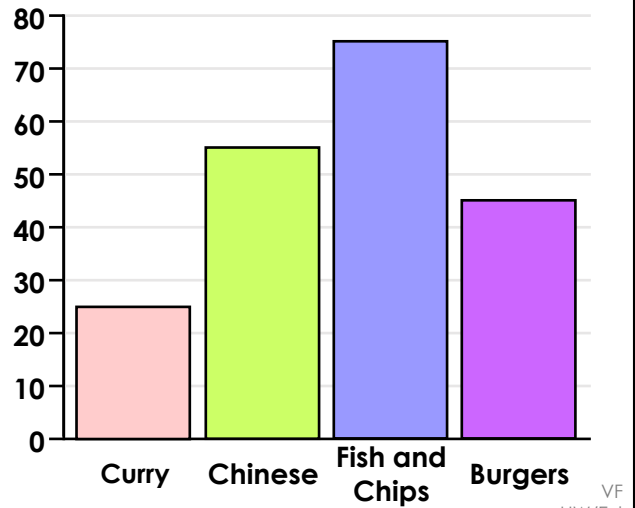**6. Correct and complete the bar chart using the clues to help you. Use a scale of 5.**

Twice as many people travel by car than by train.

20 people travel by ferry.

The number of people travelling by train can be divided by three and is less than the ferry.

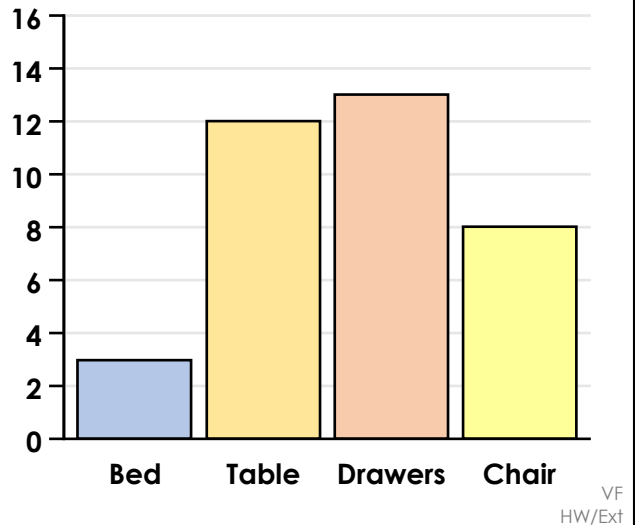Twice as many people travel by plane than the ferry.

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Homework/Extension – Bar Charts – Year 3 Expected

Bar Charts

7. Complete the tally chart using the information in the bar chart.

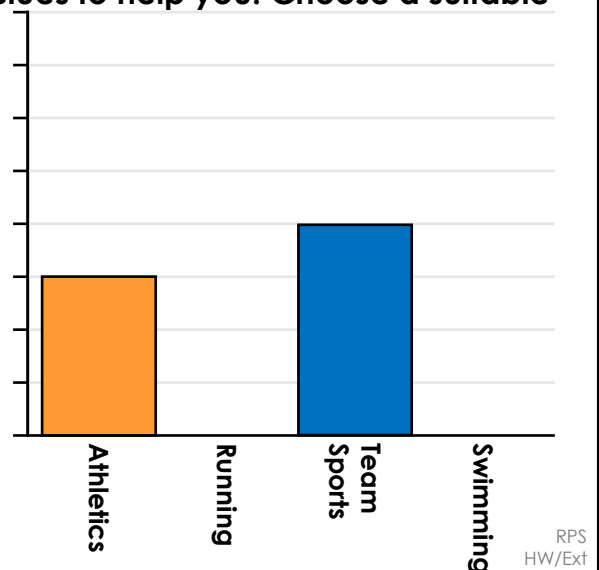| Favourite Fast Food	Number of Children
Curry	
Chinese	
Fish and Chips	
Burgers	

VF
HW/Ext

8. Use the information in the bar chart to match the descriptions to the correct labels.

A. This number is the _____ as the total of two others.

B. This number is halfway between the _____ and most popular.

C. This total is four times _____ than the second most popular.

D. This is the _____ popular item bought.

Chair

Bed

Drawers

Table

VF
HW/Ext

9. Correct and complete the bar chart using the clues to help you. Choose a suitable scale.

More people choose to watch running than swimming and are both odd numbers.

Team sports has the greatest number of spectators.

Swimming and running together equal team sports.

Athletics has half the number of spectators as the most popular.

Athletics Running Team Sports Swimming

RPS
HW/Ext

Developing
1. Completed tally chart showing Tent = 40; Hotel = 30.
2. A = vanilla; B = orange; C = mint; D = fudge
3. Football = 16; tennis = 6; Swim = 12; Running = 14

Expected
4. Completed tally chart showing 7:00pm = 5; 7:30pm = 25; 8:00pm = 30; 8:30pm = 10
5. A = Spain; B = Italy; C = France; D = Greece.
6. An accurately corrected and completed bar chart showing car = 30; ferry = 20; plane = 40; train = 15.

Greater Depth
7. Completed tally chart showing Curry = 25, Chinese = 55; Fish and Chips = 75; Burgers = 45.
8. Clue A = This number is the same as the total of two others.
Clue B = This number is halfway between the least and most popular.
Clue C = This total is four times less than the second most popular. Clue D = This is the most popular item bought.
A = table; B = chair; C = bed; D = drawers
9. An accurately corrected and completed bar chart. Possible answer using a scale of ten: Athletics = 30; running = 35; team sports = 60; swimming = 25