VOCAB to define

MODE   RANGE   MEDIAN   MEAN

MENTAL ACTIVITY

Add these fractions:

½ + 5/8   ½ + 7/10   ½ + 4/6

¼ + 7/12   1/3 + 8/15   1/7 + 8/21

Write these fractions as decimals:

2/10   4/10   3/5   1/5   3/25

MAIN ACTIVITY: DATA HANDLING

A clothes shop was tracking which sales items sold the best. Staff produced a tally chart over the period of a week and these are the results:

SALE ITEM	NUMBER SOLD
TROUSERS	225
HATS	150
SHOES	340
GLOVES	80
BAGS	260

Your task is to create a bar chart showing these results. You must think about the scale used in order to accommodate the range of results – it must be appropriate.

When you have created the bar chart, I would like you to make some questions about it AND ALSO ANSWER THEM!!!! Try starts of questions like these:

- **How much more than….is…..?**

- **How many ……were there altogether?**

- **If ….cost …., how much did they make from the sale of this item?**

Remember to make your bar chart as accurate as you can.

Homework is due in on Wednesday 29th January

Now have a try at these:

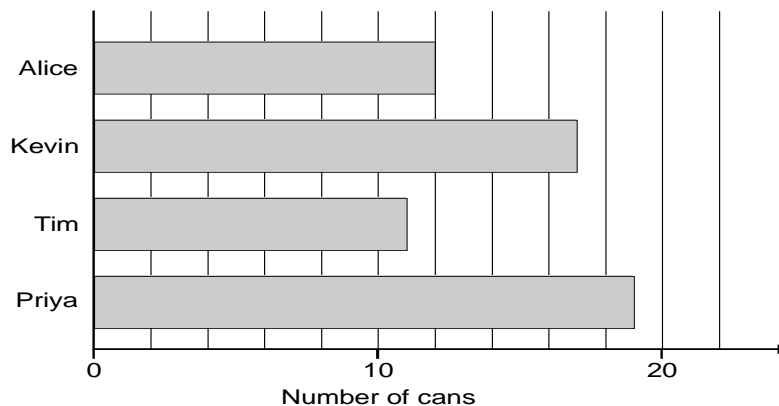1. Some children ran in two races on sports day.

   Here are their times.

	100m race	**800m race**
Elise	15.9 seconds	3 minutes 02 seconds
Jake	19.7 seconds	2 minutes 58 seconds
Teri	16.8 seconds	3 minutes 01 seconds
Neil	17.1 seconds	2 minutes 59 seconds
Barry	18.4 seconds	2 minutes 57 seconds

   Who finished the 100m race in **second** place?

   In the 800m race, how many seconds did Barry finish ahead of Elise?

2. Some children collect cans for recycling.

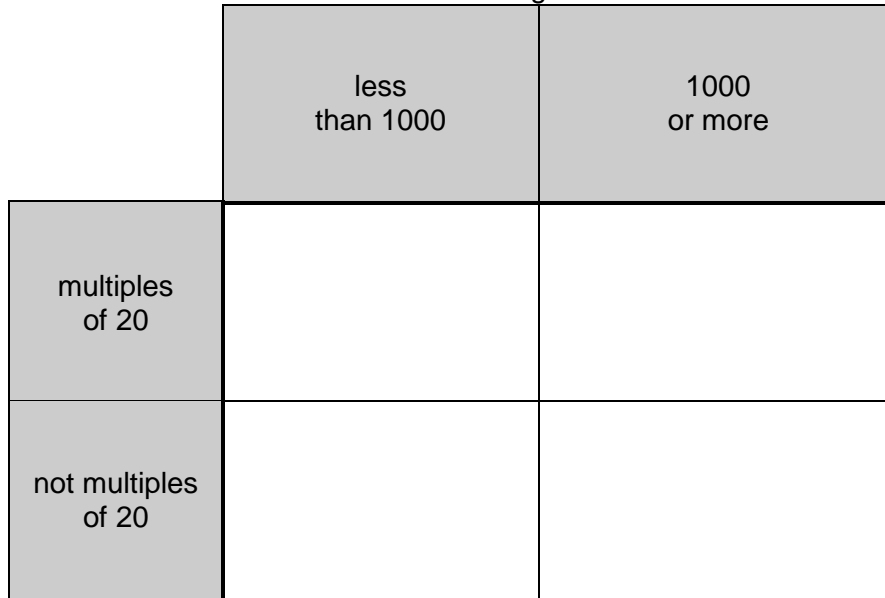   Here is a chart of how many cans they collect in the first week.

   How many cans has Kevin collected?

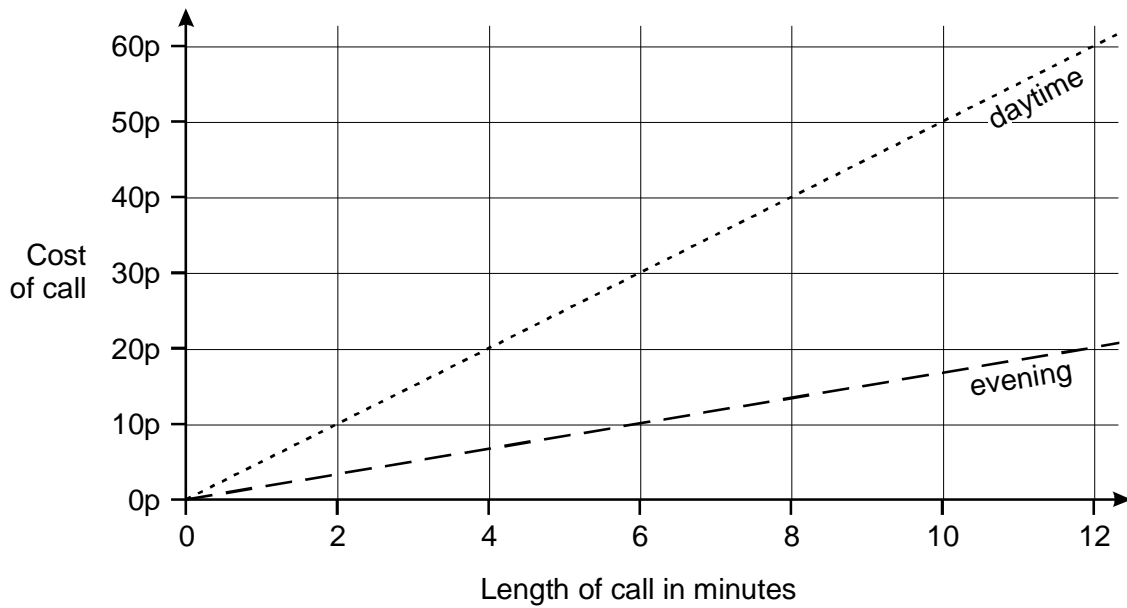   Alice's **target** is to collect **30** cans.

   How many **more** cans does Alice need to reach her target?

3. Here is a diagram for sorting numbers.

Write **one number** in each white section of the diagram.

	less than 1000	1000 or more
multiples of 20		
not multiples of 20		

4. This graph shows the cost of phone calls in the daytime and in the evening.
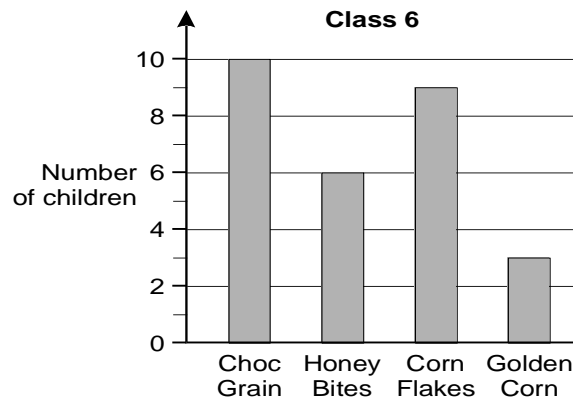

Length of call in minutes

How much does it cost to make a **9 minute** call in the **daytime**?

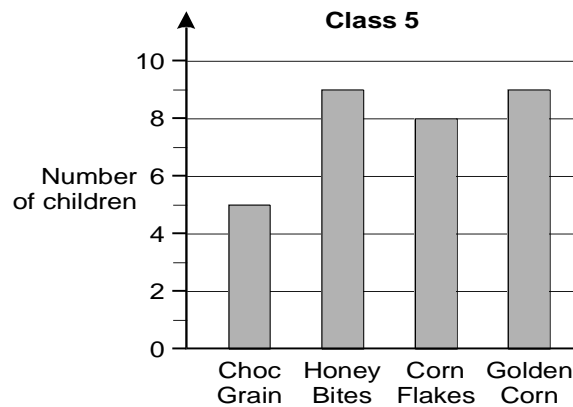How much **more** does it cost to make a **6 minute** call in the **daytime** than in the **evening?**

5. Tom does a survey of children's favourite breakfast cereals.
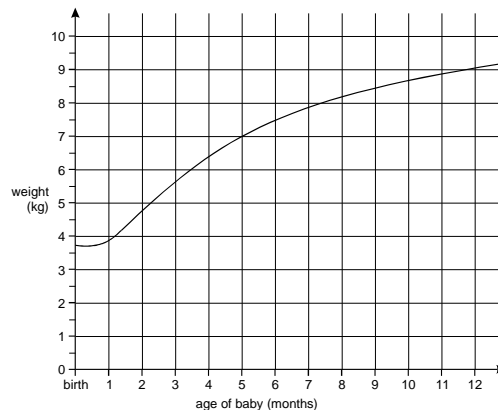
These are the results for Class 6

Class 6

How many **more** children in Class 6 prefer **Choc Grain** than **Golden Corn?**

These are the results for Class 5

Class 5

How many children in **both** classes like **Honey Bites** best?

6. This graph shows how the weight of a baby changed over twelve months.

From the graph, what was the weight of the baby at **10 months?**

How much **more** did the baby weigh at 5 months than at birth?