Pictograms
(Picture-based Statistical Charts)

A pictogram (or pictograph) is a chart that uses pictures to represent data. Pictograms are set out in much the same way as bar charts, but instead of continuous bars they use rows of pictures to show the numbers involved. The pictures will typically represent a given quantity of data units, and this quantity should be given in a key.

Answer the questions in the spaces provided

A

Here is a pictogram.
It shows the number of boxes of chocolates sold each day last week in a shop.

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Key

Represents 20 boxes of chocolates

Write down the number of boxes of chocolates sold
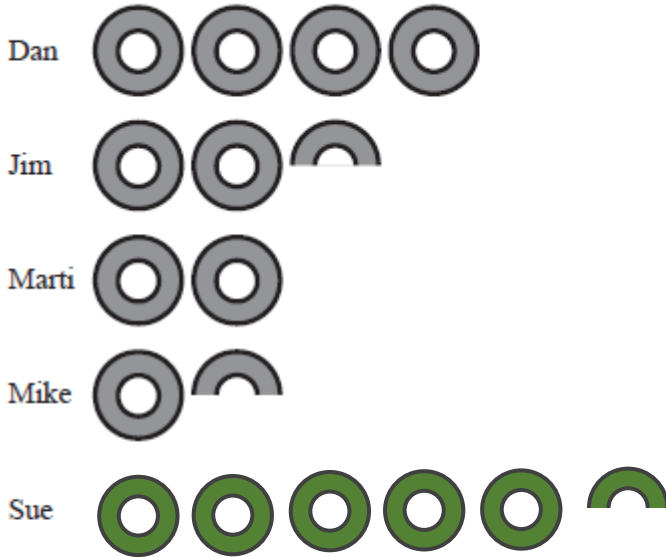
(i) on Tuesday,

20

(ii) on Thursday.

45

Work out the total number of boxes of chocolates sold last week.

10 + 20 + 40 + 45 + 75 + 80 + 20 = 290

B

The pictogram shows the number of votes for some singers in a Talent Show.

Dan

Jim

Marti

Mike

Sue

(a) Dan received 40 votes. Complete the key.

 represents ____10____ votes

(b) How many votes did Jim receive?

Answer ___25___

(c) How many more votes than Mike did Marti receive?

Answer ___5___

(d) The total number of votes was 155

Complete the row for Sue.

C

The pictogram gives information about the number of points scored by each of four boys in a basketball match.

Wayne	⊕ ⊕ ◖
Jed	⊕ ⊕ ⊕ ⊕
Fred	⊕ ⊕ ◵
Mike	⊕ ⊕ ⊕

Key:
⊕ represents 4 points

(a) Write down the number of points that Fred scored.

11

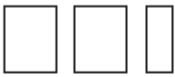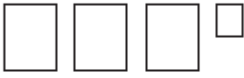(b) Work out the total number of points that the boys scored.

10 + 16 + 11 + 12 = 49

49

D

Here is a pictogram.
It shows the number of TVs sold in a shop on Thursday, on Friday and on Saturday.

Thursday	☐ ☐
Friday	☐ ☐ ▯
Saturday	☐ ☐ ☐ ▫
Sunday	☐▯

Key: ☐ represents 4 TVs

On Sunday the shop sold 6 TVs.

(a) Use this information to complete the pictogram.

(b) Work out the total number of TVs sold on these four days.

$$8 + 10 + 13 + 6 = \underline{37}$$

E The pictogram gives information about the number of jars of honey sold in a farm shop in each of three weeks.

week 1	
week 2	
week 3	
week 4	

Key:

represents 10 jars

(a) Write down the number of jars of honey sold in week 1

30

(b) Write down the number of jars of honey sold in week 2

15

40 jars of honey were sold in week 4

(c) Show this on the pictogram.

More jars of honey were sold in week 4 than in week 3

(d) Work out how many more.

$$40 - 35 = \underline{5}$$

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