

Learning Objective:	Pictograms	Name:	
		Date:	

Do NOW Activity:

- 1 **Work out** $\pounds 23.49 + \pounds 7.82$
- 2 **Evaluate** 2^6
- 3 **Solve** $5x - 1 = 34$
- 4 **Round** 56354 correct to 1 significant figure
- 5 **Work out** $-7 + 9$

PRIOR KNOWLEDGE CHECK:

1. I can collect and organise data.

THE MAIN EVENT

WORKED EXAMPLE #1:

James asked his friends their favourite colour.

Green Blue Red Green Blue Blue
 Green Red Blue White Blue Green
 Red Green Blue Red Blue Green

(a) Complete the frequency table for his results.

Colour	Tally	Frequency
Blue	 	7
White		1
Red		4
Green	 	6

Mark off each item to ensure you have counted it.

Draw a pictogram to show this data.

Blue	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
White	<input type="checkbox"/>
Red	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Green	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

represents 2 people

PRACTICE #1:

Question 1: Draw a pictogram for each of the following tables. Use a suitable key.

(a)

Sport	Frequency
Badminton	20
Judo	15
Squash	25
Table Tennis	5

(b)

Day	Cars sold
Monday	6
Tuesday	8
Wednesday	3
Thursday	10
Friday	7

(c)

Position	Players
Goalkeepers	3
Defenders	18
Midfielders	16
Forwards	14

(d)

Shoe Size	Frequency
4	6
5	9
6	15
7	12
8	6

(e)

	Tweets
Hollie	50
Nick	120
Chris	70
Becky	80

WORKED EXAMPLE #2:

The pictogram shows the amount of money raised by students in some tutor groups at a school.

Key ○ = £10

Tutor group		Raised
S	○○○○○○○	£60
T	○○○	£30
E	○○○○○	£45
P	○○○○	£35

(a) Complete the raised column.

(2)

(b) Complete the pictogram for tutor group E.

(2)

(c) How much money was raised altogether?

$$60 + 30 + 45 + 35 = 170$$

£ 170
.....
(1)

PRACTICE #2:

Question 1: James is revising for an exam.

The pictogram shows how many hours he spent revising over four days.

Key ○ represents 2 hours

(a) How many hours did James spend revising on Monday?

(b) How many hours did James spend revising on Wednesday?

(c) On which day did James spend 6 hours revising?

(d) How many hours did James spend revising in total?

Monday	○○
Tuesday	○○○
Wednesday	○○
Thursday	○○

Question 2: The pictogram shows how much money 4 friends raised for charity.

(a) Who raised the most money for charity?

(b) Who raised the least money for charity?

(c) How much money did Dylan raise?

(d) How much more did Ellie raise than Cara?

(e) How much more did Ellie raise than Dylan?

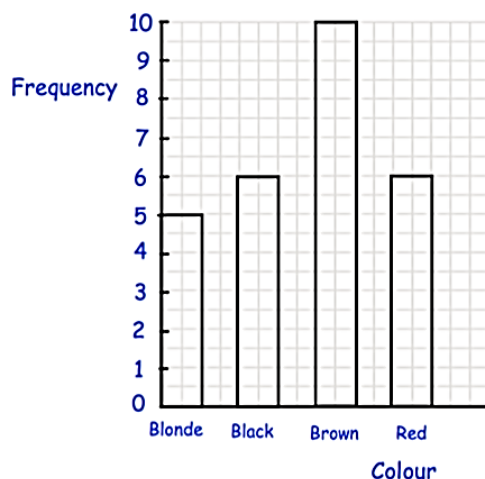
(f) How much money did the friends raise in total?

Ben	○○○○○
Cara	○○
Dylan	○○○
Ellie	○○○○○

Key ○ represents £10

APPLICATION

Hair colour of students in class 7C



Question 1: The bar chart above shows the hair colour of students in class 7C. Draw a pictogram to represent the information shown in the bar chart.