



Pictogram Exam Practice

Q1. The tally chart shows the number of ice-creams sold in 7 days.

Flavour	Tally	Frequency
Chocolate	HHH IIII	9
Orange	HHH	5
Mint	HHH I	6
Coffee	HHH II	7

(a) There were 27 ice-creams sold in total. Use this information to complete the tally chart.

(2 marks)

(b) What fraction of the ice-creams were not chocolate flavoured.

$$\frac{18}{27}$$

Answer: $\frac{2}{3}$
(2 marks)



Q2. The pictogram shows the number of sandwiches sold in a cafe.

Flavour	Frequency
Cheese	○○
Ham	○○
Salad	○○
Beef	○○○○

Key:

○ = 8 sandwiches

- (a) There were twice as many beef sandwiches sold as salad. Use this information to complete the pictogram.

(2 marks)

- (b) What fraction of the sandwiches sold contained meat?

• Counting circles, $\frac{6}{10}$ are ham/beef

or using key, $\frac{48}{80}$ sandwiches are ham/beef
 $= \frac{3}{5}$

Answer: $\frac{3}{5}$

(2 marks)



Q3. The pictogram shows the yearly results of a lacrosse club. The club get 3 points for a win, 2 points for a draw and 1 point is deducted for a loss.

Result	Frequency
Win	○○○ 12
Draw	○ 4
Lose	○○ 8

Key:

○ = 4 games

If the team are awarded more than 35 points, then they will receive a prize. Work out if the team qualify for the prize.

$$\begin{array}{l} \underline{\text{Win}} \quad 12 \times 3 \text{ points} = 36 \\ \underline{\text{Draw}} \quad 4 \times 2 \text{ points} = 8 \\ \underline{\text{Lose}} \quad 8 \times (-1) \text{ points} = -8 \end{array}$$

$$\begin{array}{l} \text{Total: } 36 > 35 \\ \text{They will qualify} \end{array}$$

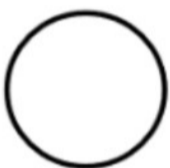
Answer: will win prize
(4 marks)



Q4. The population of 4 different towns is shown in the table below:

Town	Population
Accridge	2000
Burlong	3500
Churtwell	8000
Dawlston	4250

(a) Sarah wishes to make a pictogram to represent the above information. She suggests using the following key:

<u>Key:</u>  = 10 people
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Comment on the suitability of her choice of her key.





Answer: Not suitable as it is too small for the numbers involved.

(1 mark)

(b) Create a pictogram using a suitable key to show the above information

Key:

 = 1000 people (500 also reasonable choice)

Town	Population
Accridge	
Burlong	
Churtwell	
Dawlston	

Answer: _____

(4 marks)