

Statistical Methods – 2025 Checkpoint Primary Math Stage 5

1. 1/No.7

The children in Class 5 want to know if boys have bigger feet than girls. They collect data.

Tick (✓) the data collection that is **least** useful.

Data collection	
Measure the length of each person's shoe	✓
Measure the length of each person's foot	
Measure the width of each person's foot	
Calculate the area of each person's foot	

[1]

2. 1/No.14

Here is the age and mass of five animals.

Animal	A	B	C	D	E
Age (years)	9	5	8	4	4
Mass (kg)	12	9	8	16	21

(a) Write the mode of the animal ages.

Mode is represented by highest frequency. 4 years [1]
 mode = 4

(b) Write the median mass.

Median is middle value of data arranged in ascending order. 12 kg [1]
 8, 9, 12, 16, 21
 Median = 12

3. 1/No.17

A football team play 10 matches.
They win, lose or draw each match.

They win more matches than they lose.

They win more matches than they draw.

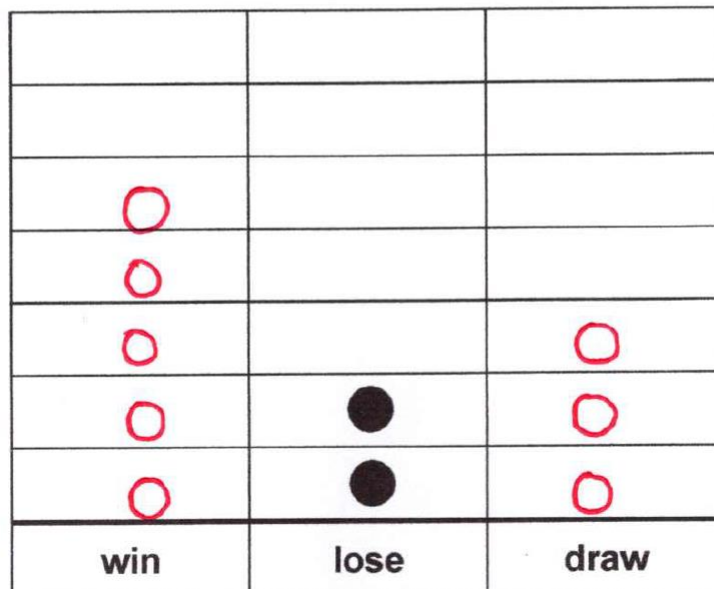
They draw more matches than they lose.

They lose 2 matches.

Total Matches = 10

Draw Matches =

Complete the dot plot.



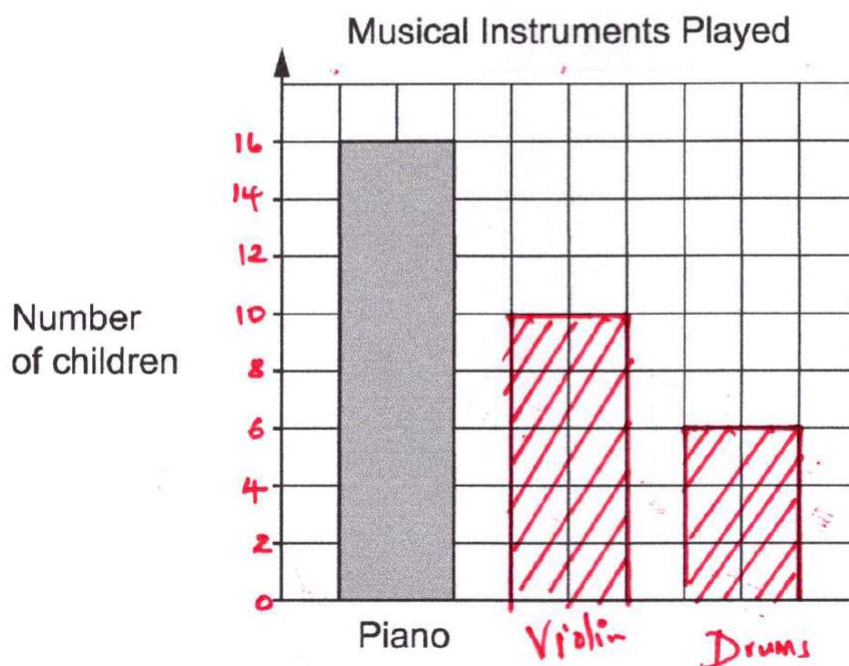
[1]

4. 1/No.33

Mia asks 32 children which musical instrument they play.
The table shows her data.

Instrument	Number of children
Piano	16
Violin	10
Drums	6

The bar chart shows some of this information.



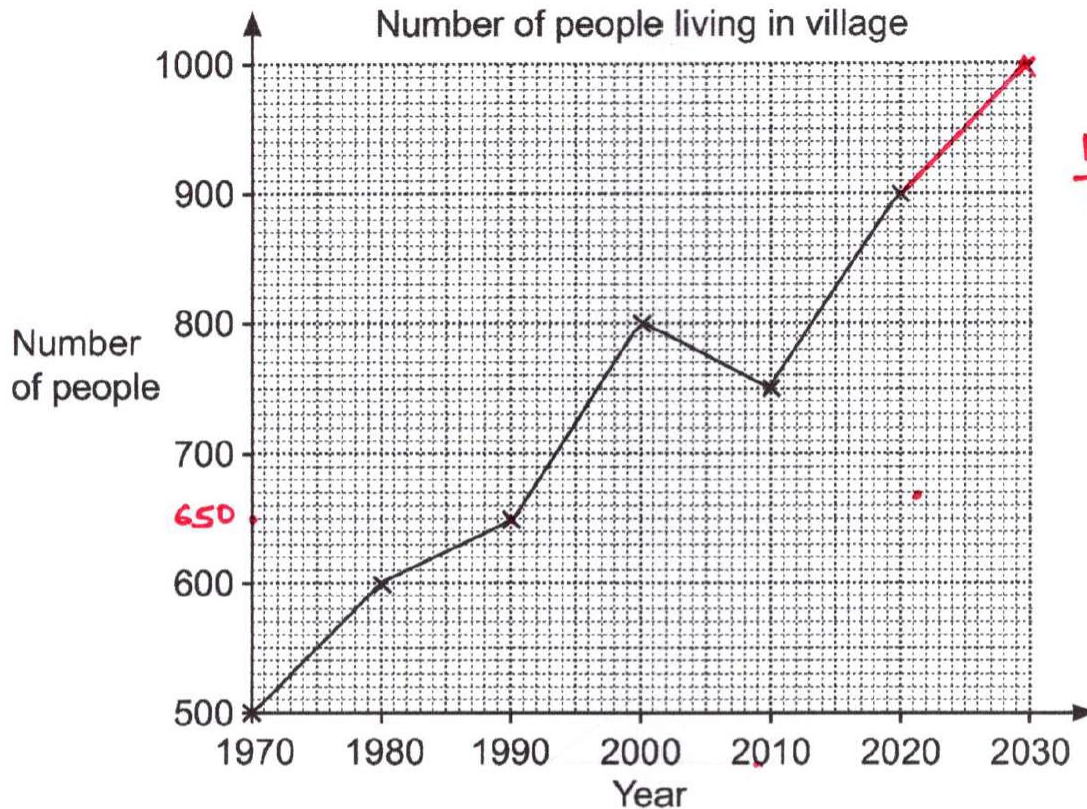
Complete the bar chart by

- adding a scale to the y-axis
- drawing and labelling bars for violin and drums.

[2]

5. 2/No.8

The line graph shows the number of people living in a village.



(a) Write the number of people living in the village in 1990

650 people lived in the village in 1990.

650 [1]

(b) The number of people living in the village is expected to increase by 100 between 2020 and 2030

Complete the line graph to show this information.

[1]

6. 2/No.10

Here is a pictogram showing the colour of cars in a car park.

Colour of cars	Number of cars
Red	    
Yellow	  
Blue	  
Green	   

Key
 represents 20 cars

Yuri says, 'There are 5 red cars in the car park.'

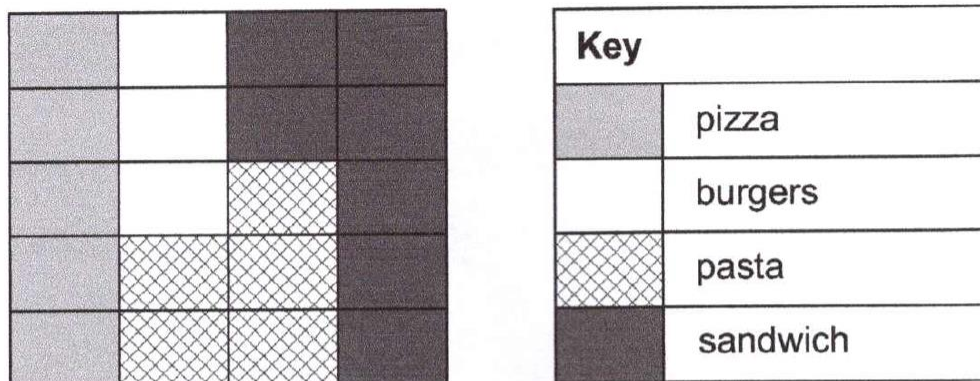
Yuri is **not** correct.

Explain to Yuri how to work out the number of red cars in the car park.

There are 5 cars but each car represents 20 cars
so the total is 100; (5×20) [1]

7. 2/No.12

The children in Year 5 each choose their favourite meal.
The waffle diagram shows the meal they choose.



(a) Write the meal that most children choose.

Sandwich [1]

(b) 20 children choose pizza.

Write the number of children in Year 5

$$\frac{20}{5} = 4 \text{ (each box represent 4 children)}$$

$$\text{For 20 boxes} = 20 \times 4 = \underline{80}$$

80 [1]