

Statistical Methods – 2025 Checkpoint Primary Math Stage 6

1. 1/No.5

Oliver finds the mass of four apples.
Here are his results in grams.

50

80

70

80

Find the mean mass of the apples.

$$\begin{aligned}\text{Mean} &= \frac{50 + 80 + 70 + 80}{4} \\ &= \frac{280}{4} \\ &= \underline{\underline{70\text{g}}}\end{aligned}$$

.....70..... grams [1]

2. 1/No.20

Gabriella counts the number of students in the class for each of her different subjects at school.
Here are her results.

Subject	Number of students in the class
Physics	21
Maths	23
English	22
Biology	22
Spanish	18

Subject	Number of students in the class
Geography	24
History	24
Chemistry	23
Music	18
Drama	24

(a) Complete the tally chart to show her results.

Number of students in the class	Tally
17 – 18	//
19 – 20	
21 – 22	///
23 – 24	HHH

[1]

(b) Angelique groups the same data using three equal intervals.
She starts to write the intervals in a table.

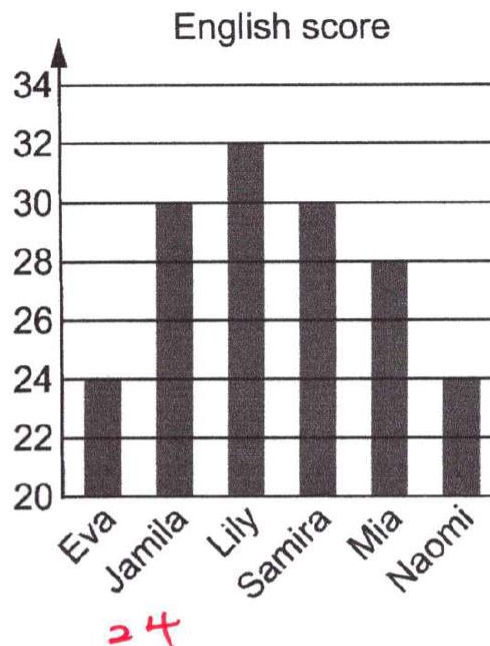
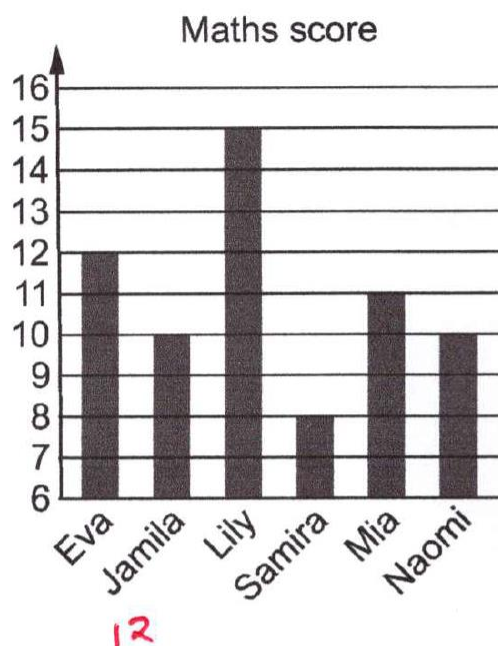
Number of students in the class
17 – 19
20 – 22
23 – 25

Complete the table.

[1]

3. 1/No.29

Six children take tests in maths and English.
The results for each child are shown in bar charts.



Eva says,

'I scored twice as many marks in English than I did in maths.
This means I **must** be better at English than I am at maths.'

Tick (✓) the box to show whether Eva is correct.

Yes

☐

No

☒

Explain how you know.

Eva cannot know as she came second in
Maths but fifth in English.

[1]

4. 2/No.23

Pierre counts the number of cars in a car park every day for eight days.

Here is his data.

35 7 8 16 6 16 12 20
~~6~~, ~~7~~, ~~8~~, 12, 16, ~~16~~, ~~20~~, ~~35~~
 He calculates some information about his data.

Complete the table to show this information.

Range = Highest -
 • lowest

Mean	15
Mode	16
Median	14
Range	29

Mode = 16

Median = $\frac{12+16}{2}$
 = 14

Range = $35 - 6$
 = 29

Mode is most occurring number.
 Median is middle value in data. Data is arranged in order. [2]