

Statistical Methods – Checkpoint Primary Math**1.**

Gabriella wants to know the most popular colour of car in her village.
 She collects data for 30 cars she sees in her village.
 She shows the data in a pictogram.

Colour	Number of cars seen
Red	 
Blue	  
Silver	
White	  

Key: represents cars**(a)** Complete the key for the pictogram.**[1]****(b)** Write the most popular colour of car Gabriella sees...... **[1]**

2.

Naomi asks,

‘Are the children in Year 4 better at the 7 times table or the 8 times table?’

She writes a test for the 7 times table.

She writes a test for the 8 times table.

Both tests have the same number of questions.

She thinks about how to collect her data.

She lists her ideas in pairs.

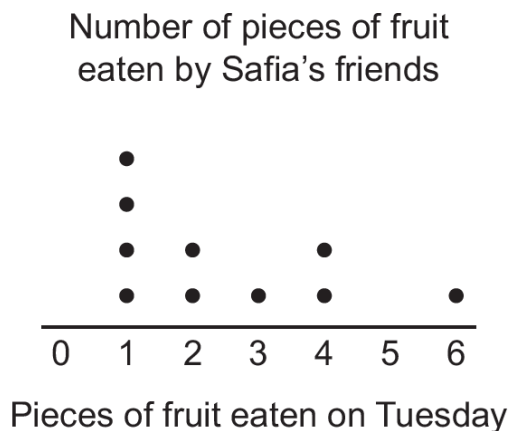
Tick (✓) the most useful idea from each pair to help Naomi answer her question.

Ask the girls to take one test and the boys to take the other.		Ask all the children in Year 4 to take both tests.	
Ask the children in Year 4 to take the tests.		Ask everyone she knows to take the tests.	
Allow the same length of time for each test.		Allow more time for the 8 times table test.	
Ask the children in Year 4 if they are better at the 7 or 8 times table.		Ask all the children in Year 4 to take the times table tests.	

[2]

3.

Safia wants to know the number of pieces of fruit her friends eat in one day. She asks her friends how many pieces of fruit they eat on Tuesday. She records her data in a dot plot.



(a) Write the number of friends that Safia asks.

..... [1]

(b) Tick (✓) the statements that are true.

More than half of Safia's friends eat exactly one piece of fruit.

☐

Three of Safia's friends eat more than 3 pieces of fruit.

☐

Safia's friends eat a total of 25 pieces of fruit.

☐

Exactly one of Safia's friends eats 4 pieces of fruit.

☐

[1]

4.

Youssef wants to know the names of the children who belong to the swimming club **and** the music club.

He collects data about who belongs to the swimming club.

He collects data about who belongs to the music club.

He represents his data in a diagram.

Draw a ring around the diagram he should use to show who belongs to **both** clubs.

bar chart

pictogram

Carroll diagram

dot plot

[1]