



S2

Statistics

L3MS

7

Please DO NOT write on the sheets

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Displaying Data:

Strip Graphs

Data that has been collected using a tally chart can be displayed in several ways.

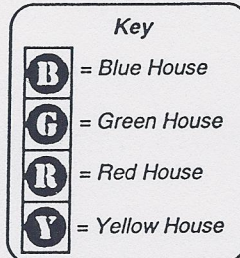
Example:

House points have been awarded during the school athletic sports. This strip graph shows the results.

Points scored by each House



Each square = 10 points



All strip graphs should have ...

- a title or name,
- a key,
- a scale stating how many each square represents.

From this strip graph we can see that there were 3 squares for Blue House. This means they scored 3 times 10 points = 30 points at the sports.

Understanding Strip Graphs

Task 13

The strip graph below shows what Karen did with money she was given for her birthday.

Karen's Birthday Money



Each square = \$8.00



1. How much money does each square in the strip graph represent?
2. How much did she spend on books?
3. How much did she spend on clothes?
4. How much did she save?



Creating Strip Graphs

Task 14

In Emma's class pupils wear different styles of footwear. This table shows the style of shoes worn.

Style of shoe	Total
boots	6
sports	12
leather	9

1. Draw a **strip graph** that is **NINE** squares long, where each square represents 3 pupils' shoes.
2. Shade in the squares needed to display these results.
3. How many pupils in Emma's class?

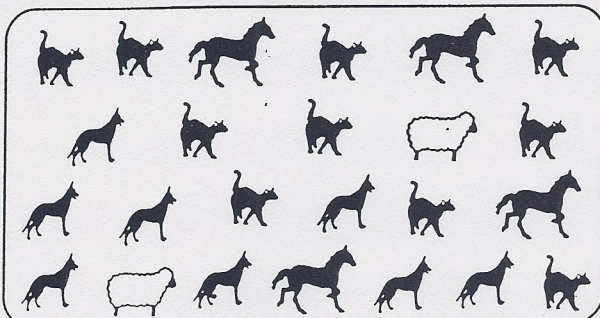


In Brett's class there are 12 boys and 16 girls.

4. Draw a **strip graph** that is **SEVEN** squares long and shade in the squares needed to display these results.



In Tim's class pupils were asked what pets they had at home. The box below shows what pets they have.



5. Organise this data into a **tally chart**.
6. How many pupils have a horse?
7. How many pupils have a dog?
8. How many pupils have a sheep?
9. How many pets were there altogether?
10. Use your tally chart results to create a **strip graph** to display these results.