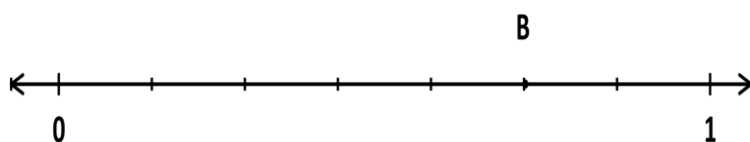Name: _____

Due Date: _____

KEY SKILLS:

1. In the number 567.123 what digit is in the *hundredths* column?

2. Round 0.385 to the nearest *tenth*

3. Write *eighteen hundredths* as a decimal

4. Insert < or > to make it a true statement:
0.045 _____ 0.047

5. What are the first five multiples of 9?

6. List all the factors of 28

7. Complete this equivalent fraction: $\dfrac{2}{5} = \dfrac{}{35}$

8. What *fraction* is shown by the point B on the number line below?

9. 6½ m = _____ cm

10. How many kilogrammes are there in *two tonne*? _____

11. If m = 5 and n = -12, what is the value of:
5m + 7n = _____

n^2 = _____

$\dfrac{n}{2}$ = _____

12. If 25h = 600, what value is h?

13. Calculate $\sqrt{350}$ and round your answer to 1dp

14. Calculate 14.8% of $1680

15. Write $450 as a percentage of $4000

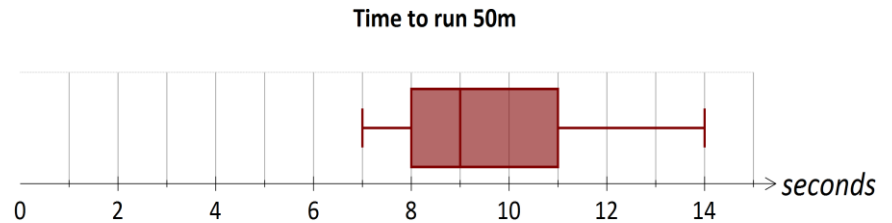**16.** Divide $30 in the ratio 2:3

Key Skills Total: _____ / 18

CURRENT WORK (CL 4 – 5): Statistics (You can use a calculator)

Data Analysis –Middle and Spread

Miss Jones, the PE teacher for 10DFG, has recorded times it took the girls in the class to run 50 metres as a box plot.

Time to run 50m

1. What was the *median* time? _____
2. What percentage of the class took more than 11 seconds? _____
3. What was the *range* of times? _____
4. What was the *lower quartile* time? _____
5. What was the *interquartile range* of times? _____

Data Analysis – Comparing Middle and Spread

James is in Year 7. He decided to ask people in his class how many times they had been to the movies this year. He decided to record the results for the boys and girls separately:

He wrote the data in order from the least to the greatest:

Boys	0, 0, 0, 0, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 3

Girls	0, 0, 1, 1, 2, 2, 2, 3, 3, 3, 4, 4, 4, 5

Complete this table of statistics for the number of times each group had been to the movies this year:

	Median	Range
Boys		
Girls		

Complete these sentences using your statistics:

The median number of times the boys went to the movies this year is _____ and the median number of times the girls went to the movies this year is _____.
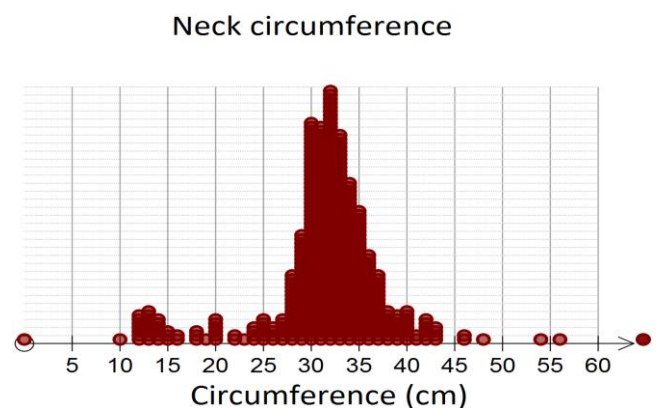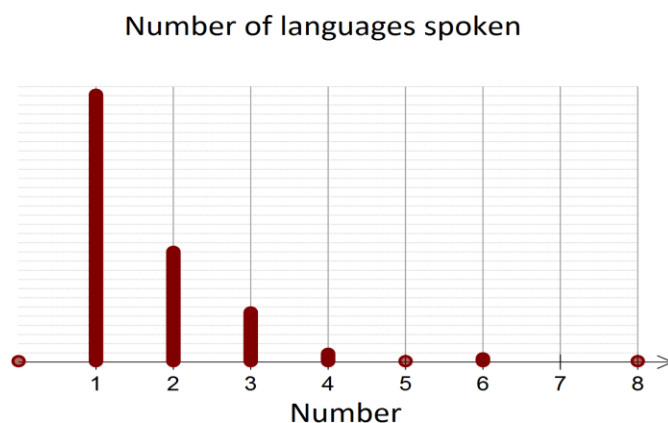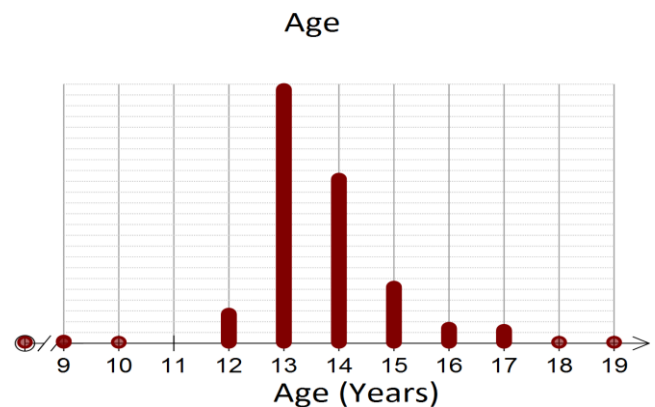
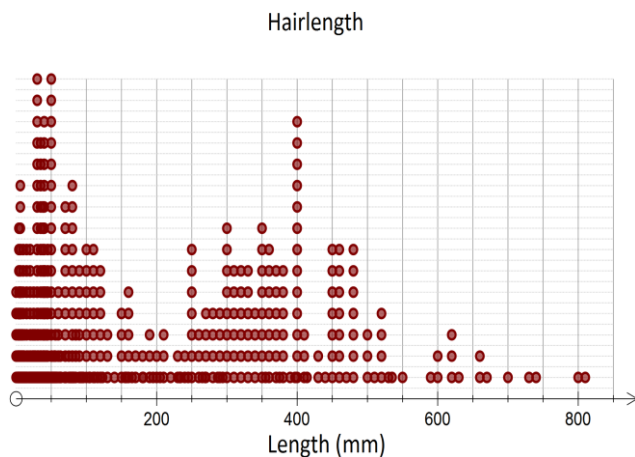This tells us that on _____ the girls went to the movies _____ than the boys this year.

The range for the number of times the boys went to the movies this year is _____ and the range number of times the girls went to the movies this year is _____. This tells us that the overall _____ for the number of times the girls went to the movies was _____ than the boys.

Current Work CL4-5: ____ / 17

CURRENT WORK (CL 5): Statistics (You can use a calculator)

Use the following four dot plots were constructed from the data from 500 New Zealand students involved in the Census at Schools survey:

Hairlength

Length (mm)

Age

Age (Years)

Number of languages spoken

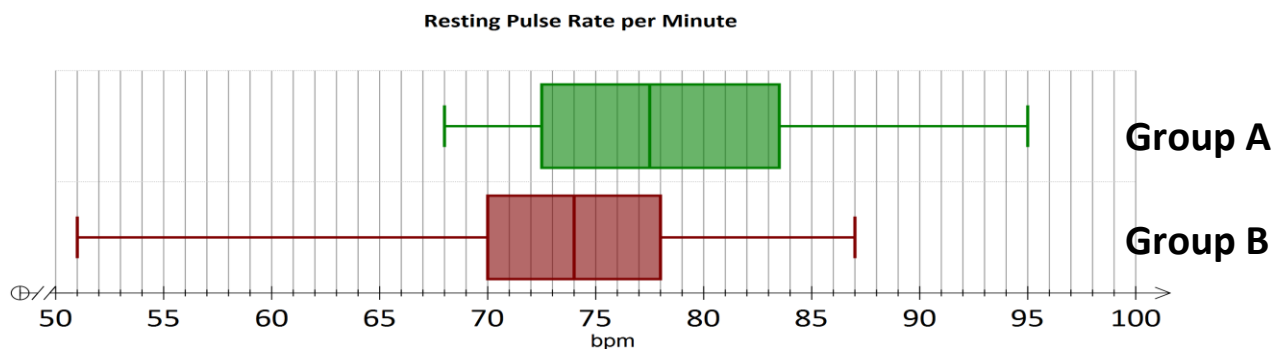Number

Neck circumference

Circumference (cm)

1. What was the age of the oldest student who participates? _____

2. What was the most common number of languages spoken? _____

3. Which graph(s) has a shape that is:

   a) Symmetrical   c) Skew

   b) Bimodal   d) Uniform

4. Complete these sentences

a) The distribution of the neck circumferences is roughly _____ with a centre around _____ cm. The shape is roughly bell-shaped and range from around _____ cm to around _____ cm

b) The distribution of the hair lengths is _____, with peaks at around _____ mm and _____ mm. This data is probably bimodal because there are two groups who tend to have different length hair. Those two groups are _____ and _____.

Current Work CL5 (1): ____ / 15

FURTHER CURRENT WORK (CL 5): Statistics

This box plot gives the resting pulse rate per minute for two groups, A and B.

Resting Pulse Rate per Minute

Middle:

The median resting pulse rate for group A is _____ bpm, and the median for group B is _____ bpm. This shows that *on average* group A have a _____ resting pulse rate than _____

When you look at the middle 50% (the box), the resting pulse rate for group _____ is much further up the scale than the resting pulse rate for group _____.   This shows that for this data the middle 50 % of _____ have _____ resting pulse rate than the middle 50% of _____.

Spread:

The *range* resting pulse rate for group A is _____ bpm and the *range* for the resting pulse rate for group B is _____ bpm. This shows the *overall spread* of the resting pulse rates is _____ for group A than group B.

The IQR resting pulse rate for group A is _____ bpm and the IQR for the resting pulse rate for group B is _____ bpm. This shows the *middle 50%* of the resting pulse rates is _____ for the group A than group B.

Current Work CL5 (2): ____ / 17

Overall Results:

KS	CL4-5	CL5(1)	CL5(2)	Total	Parent Signature:
18	17	15	17	67	