



To be completed on loose-leaf paper.

Due date: \_\_\_\_\_

1. Round the number:

- a. 26.5913 (1 decimal place)
- b. 132.613 (2 decimal places)
- c. 7.6482 (3 decimal places)
- d. 52.481 (nearest whole number)
- e. 14.998 (1 decimal place)

2. Without using a calculator, convert the following to decimals:

- a.  $\frac{4}{10}$
- b. 8 hundredths
- c.  $\frac{47}{1000}$
- d.  $\frac{4}{5}$
- e.  $2\frac{3}{5}$

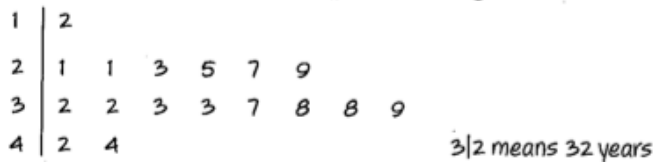
3. The pulses of 30 people in a given supermarket are:

67 66 73 86 62 91 63 73 69 67 67 85 85 71 77 71 87 68 79  
82 69 64 68 70 60 62 65 64 69 61

Display the data using:

a a stem and leaf plot

4. Consider the stem and leaf plot of the age of students in a Tae Kwon Do club.



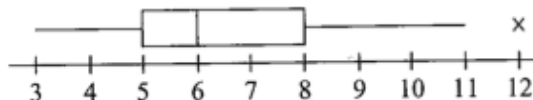
- a How many students are there in the club?
- b How old is the oldest student?
- c Find the average age of the students.
- d What is the range of ages of the students?

5. The cumulative frequency distribution table shows the handspan, in centimetres, of a group of Year 10 students.

Height (cm)	Frequency	Cumulative frequency
12 - < 14	1	
14 - < 16	3	
16 - < 18	10	
18 - < 20	11	

- a. Copy and complete the cumulative frequency column.
- b. How many students have a handspan less than 16 cm?
- c. How many students have a handspan less than 18 cm?
- d. How many students have a handspan of 16 cm or more?
- e. What percentage of students have a handspan of 16 cm or more?

6. For the box plot shown, determine the:



- a. IQR
- b. Range
- c. Median

7. 0.3 0.4 0.6 0.7 0.6 0.9 1.6 1.4 0.3 1.1  
 0.2 0.5 0.3 0.8 1.4 0.4 0.2 0.3 0.5 1.2

For the data set shown, use a graphics calculator to find:

- Mean
- Min
- $Q_1$
- Median
- $Q_3$
- Max
- Mode

8. Find the five number summary and construct a boxplot for this data set:

11 24 23 21 21 22 20 31 26 22 23 18 16 19

9. The graph represents the number of TVs and radios per 1000 people of given countries.

- How many countries have over 600 radios per 1000 people?
- List the countries in order from those with the most TVs to those with the least.
- List the countries in order from those with the most radios to those with the least.

