Mathematics Essential Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Task 2.1 – Unit 2

**Assessment type:** Response - Skills

**Conditions:**

Time for the task: 15 minutes

In class, calculator permitted

**Marks:** 14 marks \_\_\_\_\_\_/14

**Task weighting:**

2% of the school mark for this unit

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the area of a 6m by 9.5 m rectangle?

2. What is the perimeter of the same rectangle?

1. What is the area of triangle below with sides of 10m, 24m and 26m?

26m

24m

10m

4. If you walk at 4.5 km per hour, how far would you travel in 80 minutes?

5. Increase $1250 by 11%

6. Write 1/3 as a percentage

7. Write 222 % as a decimal

8. Find the **median** for the following set of data.

**4, 5, 6, 8, 8, 12**

9. Find the **Mean** for the following set of data.

**4, 5, 6, 8, 8, 12**

10. Find the mode from the stem and leaf plot below.

|  |  |
| --- | --- |
| Stem | Leaf |
| 1 | 1 2 5 7 7 |
| 2 | 0 1 3 4 8 |
| 3 | 2 9 |

11. A 10cm x 10 cm x 20 cm container has the capacity of \_\_\_\_\_\_\_\_\_\_\_ Litres?

12. If someone ran 2000m in 5 minutes what was their average speed?

13. a) What is 1:12 pm in 24 hour time?

b) What is the time difference between 9.40 pm and 2.00 am?