# Mathematics Essential

# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Task 1.1 – Unit 1

**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. Round the following to the nearest whole number  
 a) 29.3 b) 101.7

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

2. Round the following to two decimal places  
a) 7.656565 b) 301.0451

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

3. If ⅛ is the fraction, what is the equivalent a) decimal b) Percentage

4. Give the answer to   
a) 10% of $450 b) ((3 + 4)2 – 8)

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

5. Convert the following lengths

a) 15m = \_\_\_\_\_\_\_\_cm b) 0.42km = \_\_\_\_\_\_\_\_\_mm c) 576m = \_\_\_\_\_\_\_\_\_km

6. Convert the following weights

a) 3kg = \_\_\_\_\_\_\_\_\_g b) 0.3tonnes = \_\_\_\_\_\_\_\_\_\_kg c) 2738.2g = \_\_\_\_\_\_\_\_\_\_kg

# Mathematics Essential **Solutions**

## Task 1.1 – Unit 1

**Marks: 14 marks**

**Task weighting:**

2% of the school mark for this unit

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

1. Round the following to the nearest whole number  
 a) 29.3 b) 101.7

\_\_**29**\_\_\_\_ **✓** \_\_\_**102**\_\_\_\_ **✓**

2. Round the following to two decimal places  
a) 7.656565 b) 301.0451

\_\_\_**7.66**\_\_\_\_ **✓** \_\_\_**301.05**\_\_\_ **✓**

3. If ⅛ is the fraction, what is the equivalent

a) decimal b) Percentage  
0

\_\_**0.125**\_\_\_\_ **✓** \_\_\_**12.5%**\_\_ **✓**

4. Give the answer to   
a) 10% of $450 b) ((3 + 4)2 – 8)

\_\_\_**$45**\_\_\_\_ **✓** \_\_\_\_**41**\_\_ **✓**

5. Convert the following lengths

a) 15m = \_**15000**\_cm **✓** b) 0.42km = \_**420000**\_mm **✓** c) 576m = \_\_**0.576**\_km **✓**

6. Convert the following weights

a) 3kg = \_**3000**\_g **✓** b) 0.3tonnes = \_**300**\_kg **✓** c) 2738.2g = \_**2.7382**\_tonnes **✓**