# **3055 BA SANGAM COLLEGE**



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# WORKSHEET 12 YEAR 09

### SUBJECT: MATHEMATICS NAME OF STUDENT: \_\_\_\_

STRAND	SOCIAL MATHEMATICS
SUB-STRAND	Money, Ratio and Proportion
Content Learning	Introduce ratios, proportions, percentages and rates and to apply these in
Outcome	everyday situations

#### <u>Rate</u>

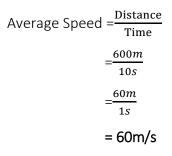
#### **Objective:**

- Define Rate
- Calculate the average of the different units given

**Rate:** it is comparing two quantities with different units in which the denominator is **1 unit. Example:** Speed (kilometers per hour), Price (dollars per kilogram), and wage (dollars per day)

## Example 1

A car travels a distance of 600m 8in 10 seconds. Work out its average speed.



#### Exercise 1

An employee of a security firm receives \$3 in an hour. He receives a weekly wages of \$120.00. How many hours does he work? (1 m)

#### Exercise 2

A car travels at a constant speed of 20m/s. Work out the distance travelled [in metres], by the car after

a) 4 seconds

b) 12 seconds

c) 3 minutes

d) 2 hours

Exercise 3 A long distance runner ran 10, 000 metres in 28 minutes. Work out his speed in (a) metres / min

(b) metres /sec

(2 marks)

(2 marks)

(2 marks)

(2 mark)

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