**Basic Rate**

Rate is considered to be in its simplest form when it is shown as per (/) 1 unit.

Eg. The rate 20 meters per 8 minutes, in its simplest form is shown as 2.5 meters per minute.

For example: The cost of 10L of petrol was $6.50. Express this rate in its simplest form.

***Step 1:*** Work out how best to represent the rate - $/L

***Step 2:*** If 10L costs $6.50, then 1L would be one-tenth of $6.50

***Step 3:*** Divide $6.50 by the 10L - $0.65/L

Complete the following...

1. Show the following rates in the simplest form:
2. 12m length of material costs $30
3. The cost of a 12kg gas cylinder was $40
4. South Africa needs 300 runs in 50 overs to win a cricket match
5. The cost of a 15 minute telephone call was $22.50
6. Mr James gets paid $50 an hour. How much will he earn in a 6 hour day?
7. Water flows from a hose at a rate of 3L/minute. How much water will flow in one hour?

**Simplifying rates to find a new measurement**

1. Consider this. If we had 20 meters of fencing wire that cost us 10 AED, find the cost of these lengths:
2. 60 meters b) 45 meters c) 37 meters
3. If a jet travels 800km/hr, find the distance it will travel in:
4. 4 hours b) 30 mins c) 30 secs
5. If 30L of silver paint costs $22, what is the cost of:
6. 40L b) 22L c) 10.5L