

2021 Worksheet 6

Year 11 Life Mathematics

Write the answers in your Exercise Book.

1. (a) Explain the term PAYE. **(1 mark)**

(b) Give **two** examples of how PAYE contributions are used by the government. **(1 mark)**

2. The rate for water usage is given as

- up to 50 units: \$0.15
- for each unit over 50 and up to 100: \$0.45
- for each unit over 100: \$0.85

This can be written as

0 - 50 units	\$0.15
50 - 100 units	\$0.45
101 units and more	\$0.85

$$1 \text{ unit} = 1 \text{ m}^3$$

Calculate the cost of using

(a) 40 units **(1 mark)**

(b) 85 units **(1 mark)**

(c) 200 units **(1 mark)**

(d) 150 m^3 **(1 mark)**

3. Calculate the BMI of an adult whose weight is 70kg and height is 1.75 m. **(1 mark)**