



Everyday Finance - set samples - paper 1

1. In May, Camilo's smart meter showed an electricity reading of 2844 units. Four months later, at the end of September, the meter read 3440 units. His electricity supplier charges a monthly standing fee of £12.20, alongside a cost of 35p per unit of electricity consumed.

(a) What is the total cost of the standing charges for the four months?

ans _____

(b) How much Tax (5%) is added to the bill?

ans _____

(c) What is Camilo's final electricity bill including 5% Tax?

ans _____

2. In April, Sandy's smart meter showed a gas reading of 6986 units. Two months later, at the end of June, the meter read 7384 units. Her gas supplier charges a monthly standing fee of £12.90, alongside a cost of 60p per unit of gas consumed.

(a) How many units of gas did Sandy use over the two-month period from April to June?

ans _____

(b) What is the total cost of the standing charges for the two months?

ans _____

(c) What is the total cost of the gas units used?

ans _____

3. Rita's mobile phone contract costs £20.00 a month and includes 12 GB of data. Last month, she used a total of 16 GB. The network charges an additional £3.20 for every extra GB used over the allowance.

(a) What is the cost of the extra GB used?

ans _____

(b) What is Rita's final bill including 15% Tax?

ans _____

(c) If Rita had stayed within her allowance, what would her final bill be including 15% Tax?

ans _____



Everyday Finance - set samples - Answers

1. (a) $4 \text{ months} \times \text{£}12.20 = \text{£}48.80$
(b) $3440 - 2844 = 596 \text{ units}$
 $596 \text{ units} \times 35\text{p} = \text{£}208.60$
 $\text{£}48.80 + \text{£}208.60 = \text{£}257.40$
Tax: $\text{£}257.40 \times 0.05 = \text{£}12.87$
(c) $\text{£}257.40 + 5\% \text{ Tax } (\text{£}12.87) = \text{£}270.27$

2. (a) $7384 - 6986 = 398 \text{ units}$
(b) $2 \text{ months} \times \text{£}12.90 = \text{£}25.80$
(c) $398 \text{ units} \times 60\text{p} = \text{£}238.80$

3. (a) $16 - 12 = 4 \text{ GB}$
 $4 \times \text{£}3.20 = \text{£}12.80$
(b) $\text{£}20.00 + \text{£}12.80 = \text{£}32.80$
Tax: $\text{£}32.80 \times 0.15 = \text{£}4.92$
 $\text{£}32.80 + 15\% \text{ Tax } (\text{£}4.92) = \text{£}37.72$
(c) $\text{£}20.00 + 15\% \text{ Tax } (\text{£}3.00) = \text{£}23.00$