

## m2 = 18 days to go!

- 7 A smartphone costs £375

Jill pays a deposit of £95 for this smartphone.

She then pays £35 each month.

How many months will it take before she has paid for the smartphone?

Show your working clearly.

$$375 - 95 = 280$$

then 280 subtract £35 each month

$$280 - 35 - 35 - 35$$

How many  $280 \div 35$

Answer 8 months [3]

- 14 Electricity readings from a bill are shown below.

Before Previous	Present
93449	94969

- (a) Calculate the number of units used.

$$\begin{array}{r} 94969 \\ - 93449 \\ \hline \end{array}$$

Answer 1520 [1]

- (b) The cost of each unit is £0.1455  
VAT is charged at 5%  
Calculate the total electricity bill.

$$1520 \times 0.1455$$

221.16 then add 5%

$$5\% \text{ of } 221.16 = 11.06$$

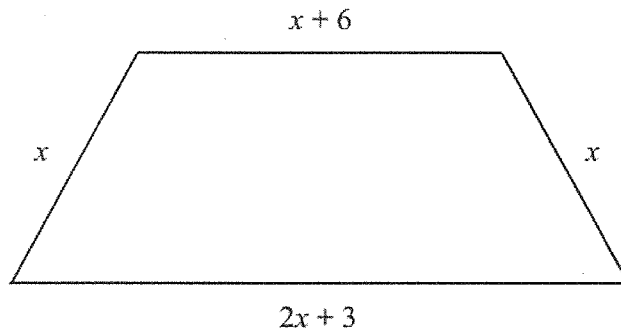
$$\begin{array}{r} 221.16 \\ + 11.06 \\ \hline \end{array}$$

Answer £ 232.22 [3]

- 27 (a) Write an expression, in terms of  $x$ , for the perimeter of the trapezium shown.

Give your answer in its simplest form.

*around the outside*



$$x+6 + x + 2x+3 + x$$

Answer  $5x+9$  [2]

- (b) The perimeter of this trapezium is 34 cm.

Equation  $5x+9 = 34$  [1]

- (ii) Solve the equation to find  $x$ .

$$5x+9=34$$

Answer  $x =$  \_\_\_\_\_ [1]

$$\textcircled{-9} \quad \textcircled{-9}$$

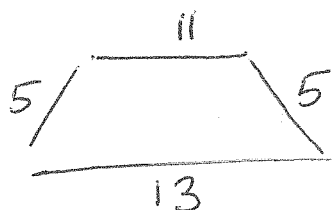
*opposite  
bubbles*

$$5x = 25$$

$$\textcircled{\div 5} \quad \textcircled{\div 5}$$

$$x = 5$$

*You should check*



$$5+11+5+13=34$$