1   **(a)**   Work out the cost of 8 boxes of chocolates at £3·45 each.

(a) £ ....[2]

(b)   The chocolate box is made from cuboids.
The lengths are in centimetres.
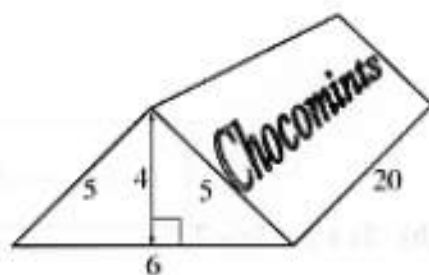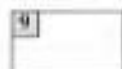
Calculate its volume.
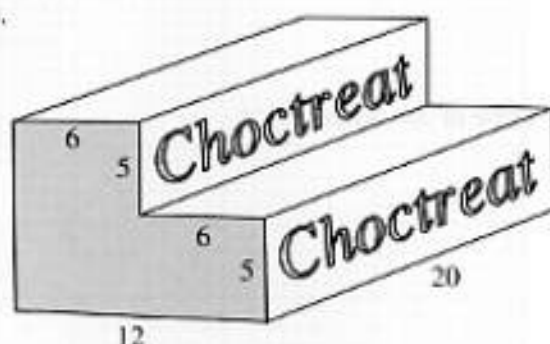
(b) ....cm³ [3]

(c)   This chocolate box is a triangular prism.
The lengths are in centimetres.

Calculate its total surface area.

(c) ....cm² [4]

[Turn over

2 (a) Calculate.

$$\frac{5}{6} \times \frac{1}{10}$$

Give your answer in its lowest terms.

(a) ....[2]

(b) Calculate the value of $3x^2$ when $x = {}^-4$.

(b) ....[1]

3

3 Solve.

(a) $2(x + 1) = 17$

(a) ....[3]

(b) $3x + 5 = 7x - 7$

(b) ....[3]

6

4   The table shows the charges for hiring a floor sander.

Number of days	1	2	3	4
Charge (£)	38	50	62	74

(a) Draw a line graph to show this information.
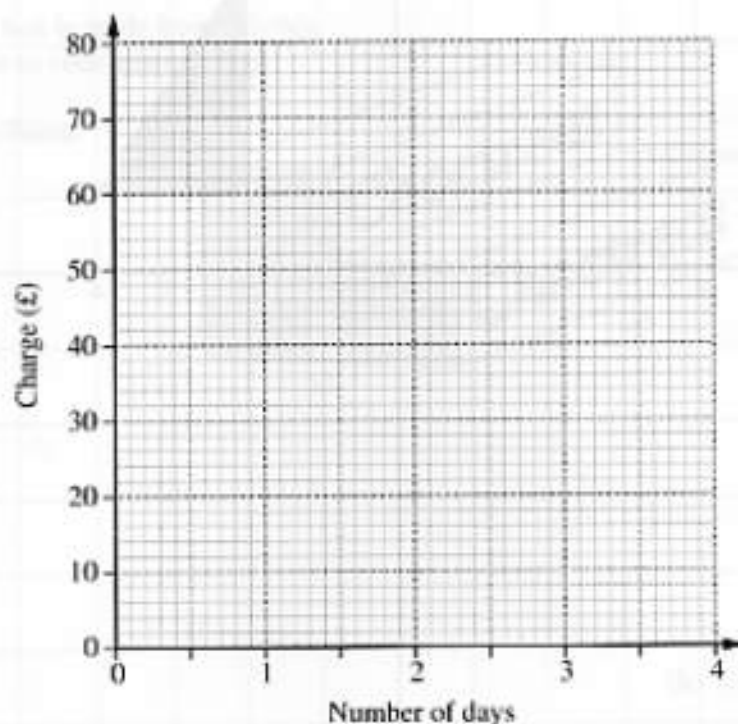
Number of days

[2]

(b) The charge is calculated using the formula

Charge = £26 + number of days × £...............

(i)   Complete the formula.   [1]

(ii) Work out how much it costs to hire the sander for 7 days.

(b)(ii) £ ....[1]

[Turn over

5 Rotate this triangle through 90° anticlockwise about the origin.

[3]

[3]