

7 (a) Solve $6t = 30$

$t = \dots\dots\dots$
(1)

(b) Solve $m + 8 = -3$

$m = \dots\dots\dots$
(1)

(c) Simplify $12x - 7y - 5x + 2y$

$\dots\dots\dots$
(2)

(d) Solve $5g - 2 = 1$

$g = \dots\dots\dots$
(2)

(Total for Question 7 is 6 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

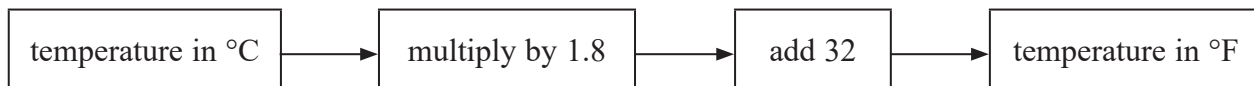


DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

8 You can use this rule to change temperatures from °C to °F.



Change $-20\text{ }^{\circ}\text{C}$ to $^{\circ}\text{F}$.

..... $^{\circ}\text{F}$

(Total for Question 8 is 3 marks)

9 Bhavin buys some presents at an airport in Kenya.
The total cost of the presents is 9450 Kenyan Shillings (KES).

Bhavin has one 500 KES note.

He pays 500 KES using this note and pays the rest of the cost in euros.

$$1 \text{ euro} = 113 \text{ KES}$$

Work out how many euros Bhavin pays.

Give your answer correct to the nearest whole number.

.....euros

(Total for Question 9 is 3 marks)



P 5 3 3 4 1 A 0 1 1 2 4

10 The diagram shows a quadrilateral.

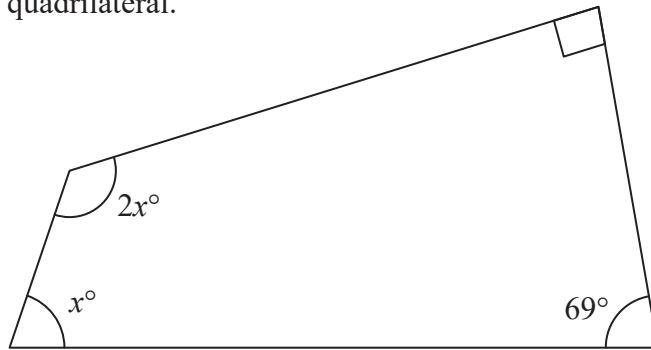


Diagram **NOT** accurately drawn

Work out the value of x .

(Total for Question 10 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

11

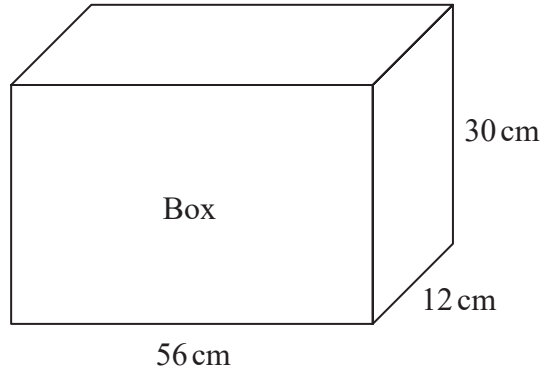
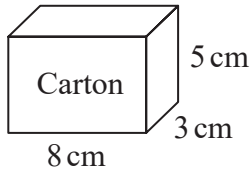


Diagram **NOT** accurately drawn

Suha is packing cartons into boxes.

Each carton measures 8 cm by 3 cm by 5 cm.
Each box measures 56 cm by 12 cm by 30 cm.

Suha has 400 cartons.

Work out the smallest number of boxes she needs to pack all these cartons.

.....
(Total for Question 11 is 4 marks)



12 (a) Work out the value of $\frac{56^2 + \sqrt{983}}{42.6 - 28.9}$

Write down all the figures on your calculator display.

.....
(2)

(b) Give your answer to part (a) correct to 2 significant figures.

.....
(1)

(Total for Question 12 is 3 marks)

13 The total cost of 8 calculators of the same type is £62.80

Work out the cost of 12 of these calculators.

£.....

(Total for Question 13 is 2 marks)



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

- 14 Steve goes on a cycle ride.
He cycles a distance of 40 km in 2 hours 15 minutes.
- (a) Work out his average speed in kilometres per hour.
Give your answer correct to the nearest whole number.

..... km/h
(3)

Steve's salary is \$28 500
He gets a salary increase of 2.4%

- (b) Work out Steve's salary after the increase.

\$.....
(3)

Nalini gets a salary increase of 3%
Her salary increase is \$702

- (c) Work out Nalini's salary before the increase.

\$.....
(3)

(Total for Question 14 is 9 marks)

