

1 a) Work out: i)
$$\begin{array}{r} 72.31 + \\ 18.62 \\ \hline \\ \hline \end{array}$$

ii)
$$\begin{array}{r} 172.37 - \\ 11.62 \\ \hline \\ \hline \end{array}$$

b) Round your answer to (i) correct to the nearest 10. _____

c) Round your answer to (ii) correct to the nearest 100. _____

(4 marks)

2 Evaluate : a) 84.12×10

b) $48.21 \div 100$ _____

c) $(98.41 - 36.4) \div 10$ _____

(4 marks)

3 Evaluate the following, giving your answer in its simplest form:

a) $\frac{2}{5} + \frac{1}{5} =$ _____

b) $\frac{1}{10} + \frac{3}{10} =$ _____

c) $24 \times \frac{1}{4} =$ _____

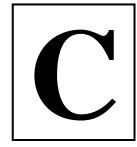
(4 marks)

4 On a certain day, the temperature in Malta was 20°C , while that in Moscow was 25° colder. What was the temperature in Moscow?

_____ $^{\circ}\text{C}$

(1 mark)

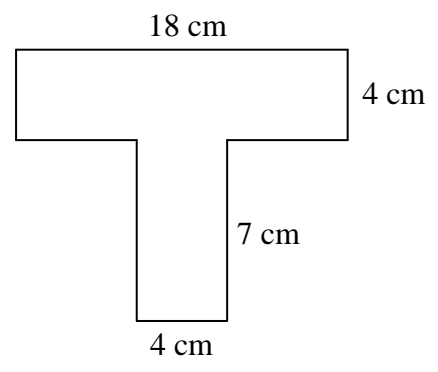
Name: _____ Class: _____



5 If $z = 3x - 2y$, find the value of z when $x = 4$ and $y = 5$.

_____ (3 marks)

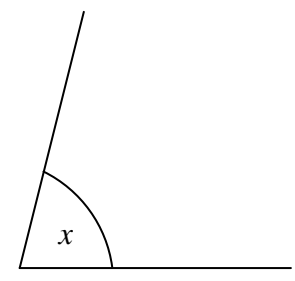
6 Find the area of the shape shown.



_____ (4 marks)

7. The angle marked x is approximately equal to _____

- 5° 40° 80° 100°



_____ (1 mark)

11 a) What is the value of 2^6 ? _____

b) What is the value of 6^2 ? _____

c) What is the value of $2^6 + 6^2$? _____

_____ (4 marks)

12 Five bars of chocolate cost €1.15.

a) How much does 1 bar of chocolate cost?

b) How much do 7 bars cost?

€ _____

€ _____

_____ (4 marks)

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4 These are Dominic's annual marks:

70 44 82 51 74 58 75 50 81

Work out:

a) the average mark

b) the median mark.

(6 marks)

5 a) On the grid provided plot the following points:

A (0 , 2)

B (2 , 2)

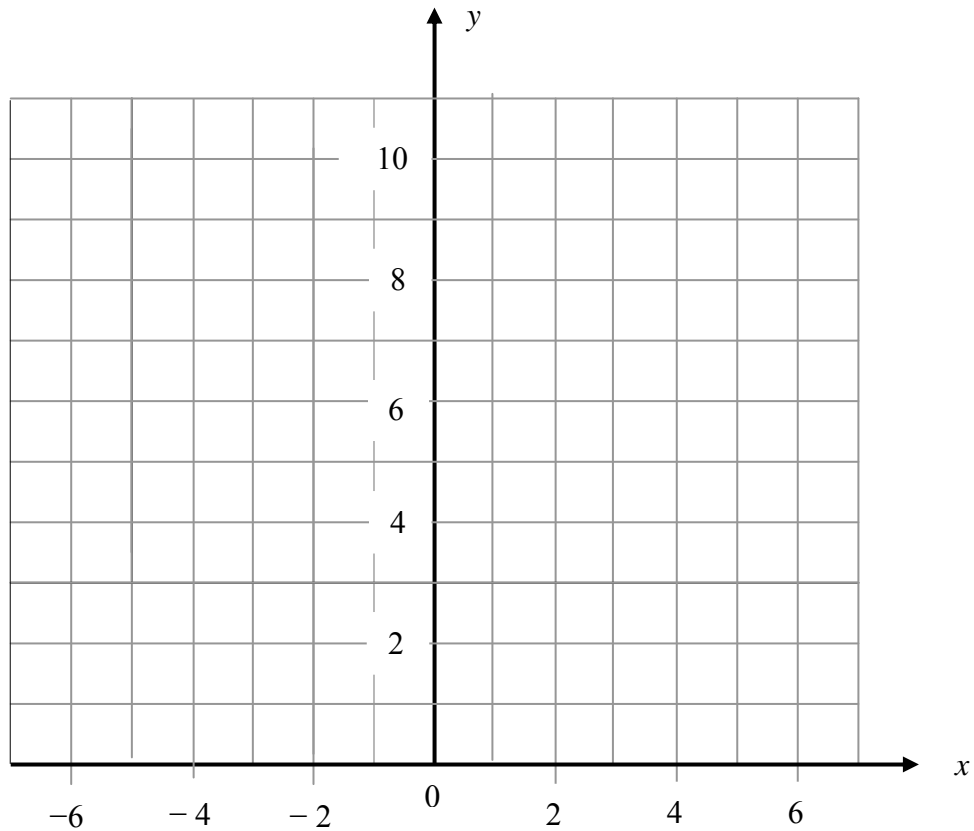
C (2 , 7)

D (3 , 7)

E (0 , 10)

Join A to B , B to C, C to D, D to E.

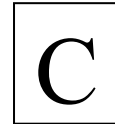
b) Use the y axis as a mirror line and draw the image of the shape you have drawn.



(8 marks)

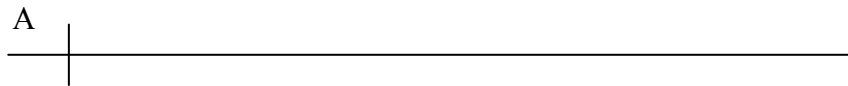
Name: _____

Class: _____



- 6 In this question you may only use a ruler, protractor and compasses.
On the given line mark point B such that $AB = 10$ cm.
At A draw line AC such that $\angle BAC = 50^\circ$ and $AC = 8$ cm.
Join B to C. Measure the length of BC.

BC = _____ cm

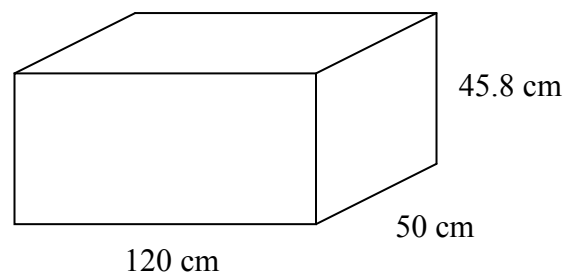


(5 marks)

- 7 The diagram shows a rectangular box measuring 120 cm long, 50 cm wide, 45.8 cm high. Calculate:

- a) the area of the largest face

_____ cm^2



- b) the area of the smallest face

- c) the volume of the box.

_____ cm^2

_____ cm^3

(5 marks)

8 Rita used a spreadsheet to work out a bill.

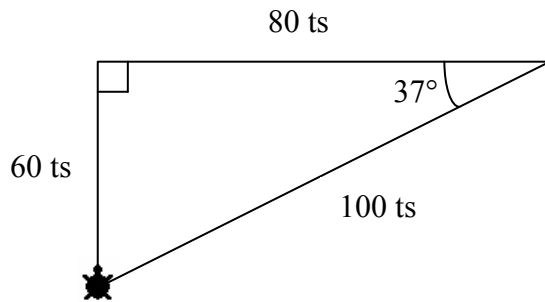
	A	B	C	D
1	Quantity	Description	Unit Price (€)	Price (€)
2	2	Packets Butter	3.12	6.24
3	4	Cartons milk	1.68	
4	3	Packets cat food		3.57
5			Total	

a) Which one of the following formulae did Rita type in cell D2?
 $= A3 \times C2$; $= C2 / A2$; $= C2 * A2$. $=$ _____

b) Write down the correct values in cells D3, C4, and the total in cell D5.

 (4 marks)

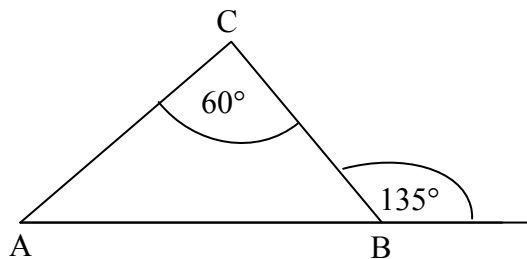
9 James was trying to draw the triangle shown using Logo.
 Fill in the blanks with the appropriate commands so that James will get the triangle he wants.



PD FD 60 RT _____ FD _____ _____ 143 FD _____

(4 marks)

10 In $\triangle ABC$, calculate:
 a) $\angle CBA$ and



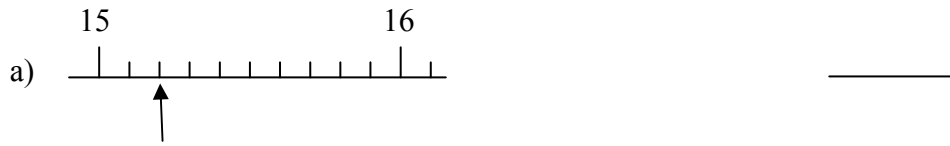
$\angle CBA =$ _____ $^\circ$

b) $\angle BAC$.

$\angle BAC =$ _____ $^\circ$

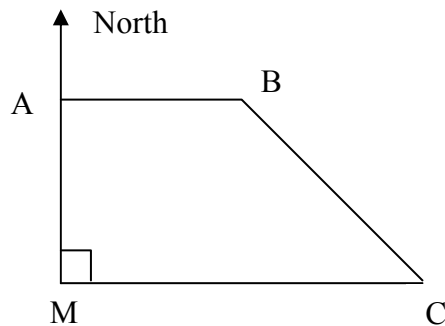
(4 marks)

11 What number is the arrow pointing at on each of the following scales?



(6 marks)

12 The diagram shows the flight path of an aeroplane which took off from Malta (M) and flew North to point A. It then turned right 90° and continued to B. At B it turned right another 45° and flew to C.



a) Write down in **words** the direction of the aeroplane from

i) A to B _____

ii) B to C _____

b) $\angle AMC = 90^\circ$. What is the **3 figure** bearing of M from C? _____ $^\circ$

(5 marks)

End of Paper