

Name : .....

1. Work these out [2]

a)  $6 - 11 = \dots\dots\dots$

b)  $5 - 4 = \dots\dots\dots$

2. Give the first five multiples of 7 ..... [1]

3. Find the lowest common multiple of 6 and 10 ..... [1]

4. Complete the table with the right answer from the table: [3]

$y=4$	$x=1$	$x=3$	$y=2x-1$	$y=-3$	$y=2-5x$
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Lines parallel to the x-axis	Lines parallel to the y-axis	Straight lines

5. Solve these equations:

a)  $3x+2=17$

b)  $4(y-1)=2y-2$

c)  $\frac{z}{7} - 1 = 4$

6. Complete the table: [2]

Shape	Number of vertices	Number of sides	Number of lines of symmetry
Rectangle			
Square			

7. Tick (✓) whether the data is primary or secondary: [1]

Adam collects data about heights by measuring students in his class

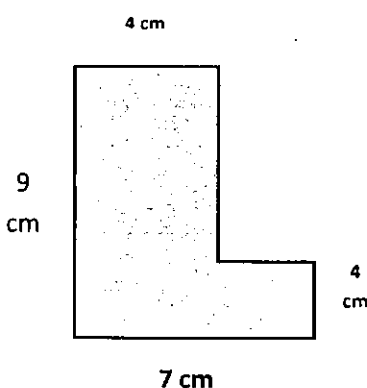
Primary      Secondary

☐
☐

Karim collects data about animals using internet.

☐
☐

8. Here is a compound shape:



a) Work out the perimeter of this shape.

$p = \dots\dots\dots \text{cm}$  [1]

b) Work out the area of this shape.

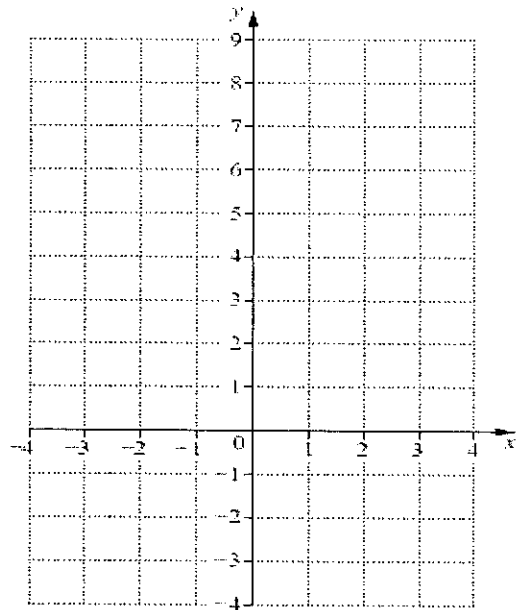
$A = \dots\dots\dots \text{cm}^2$  [1]

9. Here is the line  $y=2x-1$

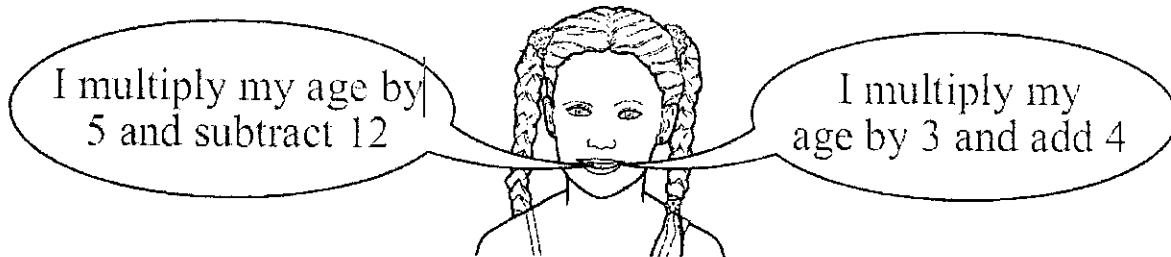
x	-1	0	1	2
y				

Complete the tables and draw it on a graph

[2]



10. Basma does two calculations.



She gets the same answer to both calculations.

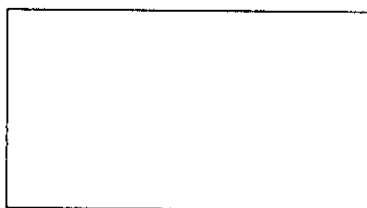
Basma's age is  $b$  years.

Write down an equation in  $b$ . and find the age of basma

$b = \dots\dots\dots$  years [1]

11. Here's a rectangle.

$2p+1$



p

-

1

What is the perimeter of this rectangle?

$\dots\dots\dots$  [1]

The perimeter of this shape is 24cm. Find p.

$p = \dots\dots\dots$  [1]