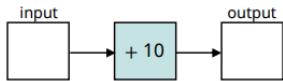


Algebra

A

Name _____

- 1 Here is a function machine.



Complete the sentences.

When the input is 7, the output is _____

When the input is _____, the output is 50

2 marks

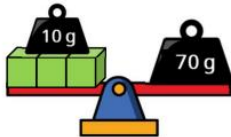
- 2 Complete the total of each row and column.

★	★	●	—
★	♥	●	26
♥	♥	●	—
—	30	—	—

★ = 6 ● = 8

3 marks

- 5 Here is a set of scales.



What is the mass of one cube? _____ g

2 marks

- 6 If $p = 7$, what is the value of $2p + 8$? _____

1 mark

- 7 Mo uses a bar model to solve $3x + 5 = 38$

x	x	x	5
38			

Solve the equation $3x + 5 = 38$

$x =$ _____ 2 marks

- 3 a and b are both whole numbers.

$$a + b = 4$$

Complete the table to show all the possible values of a and b .

a	b

2 marks

- 4 Solve the equations.

$$x + 5 = 7$$

$x =$ _____ 1 mark

$$p - 5 = 7$$

$p =$ _____ 1 mark

$$5c = 15$$

$c =$ _____ 1 mark

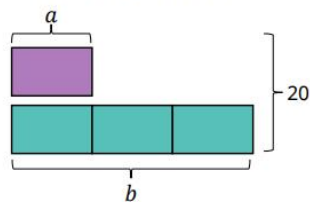
White Rose

- 8 Solve $10y - 3 = 77$

$y =$ _____

- 9 The sum of $a + b = 20$

b is 3 times the size of a



Work out the values of a and b

$a =$ _____

$b =$ _____

Work out the value of $5a + 2b$
