1	(a)	Simplify fully	9 <i>m</i> 12 <i>m</i>	[2 marks	[2 marks]		

Answer _____

2 (a)	Lucy wants to simplify $6a - (7b - 2a)$	
	She writes $4a-7b$	
	Is she correct?	
	Tick a box.	
	Yes No	
	Give a reason for your answer.	[1 mark]
2 (b)	Lucy also wants to simplify $3p^2 \times 5p^7$ She says,	
	"Add 3 and 5, then add 2 and 7"	
	Her answer is $8p^9$	
	Tick a box for each part of her method.	[1 mark
	Correct Not correct	
	Add 3 and 5	
	Add 2 and 7	

2 (c) Lucy thinks of a number.

 $10 \times \text{the number} = 10 \div \text{the number}$

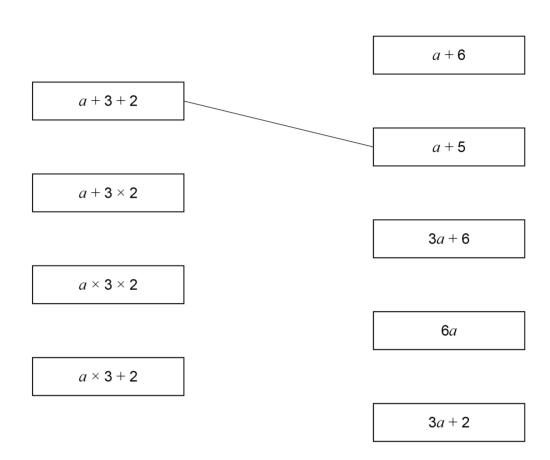
Give a possible value of the number.

[1 mark]

Answer

Match each expression on the left with one on the right.One has been done for you.

[3 marks]



4 Simplify $4 \times 2c$ Circle your answer.

[1 mark]

42*c*

16*c*

8*c*

6*c*

5	(a)	Simplify fully $9x + y - 6x + y$	[2 marks
		Answer	
5	(b)	Here are two expressions.	
		$8a$ a^2-b	
		When $a = 25$ the expressions have the same value.	
		Work out the value of b .	[2 marks]
			[3 marks]

5 (c) Simplify $\frac{6w+10}{2}$

Circle your answer.

[1 mark]

6w + 8

3w + 10

6w + 5

3w + 5

6 (a) Simplify fully $p^2 \times p$

[1 mark]

Answer

6 (b) Simplify fully 3a + 5c - a + 6c

[2 marks]

Answer

7	Simplify fully	8a + 5b + 6a - 2b	[2 marks]
		Answer	

8 Emma tries to simplify $cd \times 2$ Here is her method.

$$c \times 2 = 2c$$
$$d \times 2 = 2d$$
$$2c \times 2d = 4cd$$

What is wrong with her method?

[1 mark]

9 (a) Simplify fully $d \times d$

[1 mark]

Answer _____

9 (b) Simplify fully $n \div n$

[1 mark]

Answer _____

9 (c) Simplify fully $\frac{1}{3} \times 6t$

[1 mark]

Answer

10 (a)	Simplify fully	x + 4x	[1 mark]
		Answer _	
10 (b)	Simplify fully	5 × 2 <i>w</i>	[1 mark]
		Answer _	
10 (c)	Simplify fully	2 <i>m</i> ÷ <i>m</i>	[1 mark]
		Answer _	
10 (d)	Simplify fully	$y \times y \times y$	[1 mark]
		Answer	