## S2 Algebra Homework

,	Created by	onal 5 Homework  Mr Lafferty s High School	
This homework covers topics			Score
Basic Number Operations		Context Question	
Letters both sides		Equations with Fractions	
Equations with Brackets		Inequations	
Teacher Comments :			
reacher comments.			

	1.	Carry ou	t the	following	instructions
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4.8

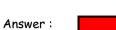
## (NON - CALCULATOR QUESTION)

Answer:

Answer:

14

(a)



3.59 Working:

(b) 48.9 7

Working:

(c) 1720 400

Working:

(d) 400

Working:

Answer:

(5 marks)

## 2. Solve the following equations.

(a) 
$$6b - 8 = 2b + 8$$

(b) 
$$3w - 10 = 5w + 16$$

Answer

b =

(3 marks)

Answer

(4 marks)

3. Solve the equations below.

(a) 
$$4(3y + 9) = 72$$

(b) 
$$2(5b + 6) - 2b = 28$$

Answer y =

(3 marks)

4 = Answer



(4 marks)

4.	Roisin had 5 packets of sweets and 2 loose sweets. Hannah had 3 packets and 10 loose sweets.
	They discovered that they had exactly the same number of sweets.

(a) Make up an equation to show this information.( Hint : Let s be the number of sweets in 1 packet)

Answer:

(2 marks)

(b) Solve the equation to determine how many sweets there are in each packet.

(3 marks)

Answer



5. Solve the algebraic equations below :-

(a) 
$$\frac{1}{4}$$
 w + 6 = 13

(b)  $\frac{a + 35}{5} - 7 = 3$ 

a =

Answer

(2 marks)

Answer



(3 marks)

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6.	Solve	the	inec	juations

(a) 3 (3y + 2) < 51			(b) 3 (3h + 1) > 3h + 39		
Answer	у <	(3 marks)	Answer h >	(3 marks)	

Total marks 35