Week 15

Thursday 2nd July 2020

Year 6 Use an Algebraic Rule -Reasoning and Problem Solving





<u>Use An Algebraic Rule</u>	<u>Use An Algebraic Rule</u>
7a. Jess is using the rule (5a ÷ 2) – 3a.	7b. Maia is using the rule 10 (6a ÷ 2).
Toby is using the rule (3a ÷ 2) – 5a.	Isaac is using the rule (10 x 6a) ÷ 2.
Toby says:	Maia says:
Both rules will always give a negative answer.	Both rules will always give the same answer.
Do you agree? Explain your answer.	Do you agree? Explain your answer.
6 R	6 R
8a. Use the cards below to create 4 different algebraic expressions for this function machine.	8b. Use the cards below to create 4 different algebraic expressions for this function machine.
50 2.5 x ÷ 5 + 10	8 0.5 x ÷ 25 - 100
Work out the outputs for each expression.	Work out the outputs for each expression.
What is the greatest output you can make?	What is the greatest output you can make?
6 PS	6 PS
9a. True or false?	9b. True or false?
$a^3 - (10a + a)$ is the same as $a^3 - 11a$.	$\left(\frac{1}{2} \text{ a} \div 100\right) - 35$ will always result in a negative answer.
Explain your answer.	Explain your answer.
6 R	6 R