

Week 15

Monday 29th June 2020

Year 6 Two-Step Rule - Varied Fluency

First, review the basics of Algebra using the link:

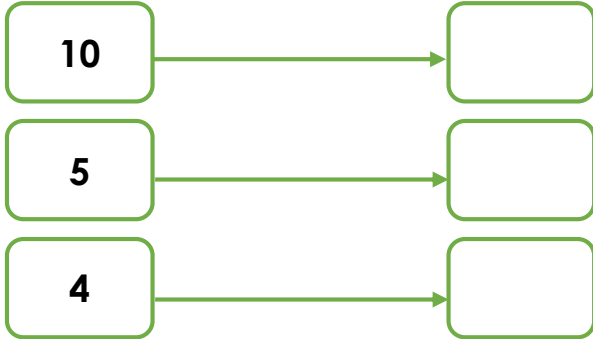
<https://www.youtube.com/watch?v=Qa-MCLDrSII>

***Remember to check at the end for the challenge**

Find a Rule – Two Step

1a. Write the outputs for the algebraic function.

$$2a - 6$$

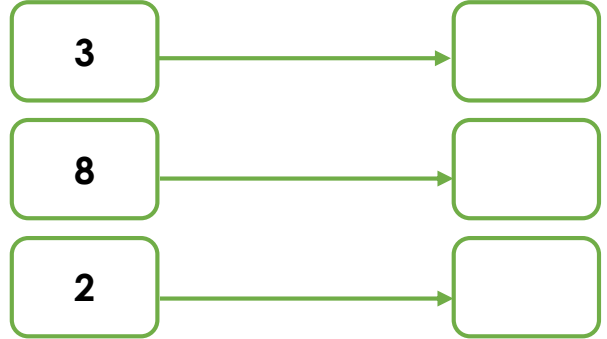


6 VF

Find a Rule – Two Step

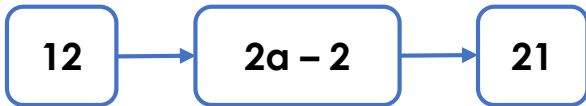
1b. Write the outputs for the algebraic function.

$$(b + 4) \times 2$$



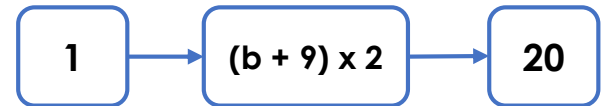
6 VF

2a. True or false?



6 VF

2b. True or false?



6 VF

3a. Use the function to match up the inputs and outputs.

$$x \times 2 + 10$$



6 VF

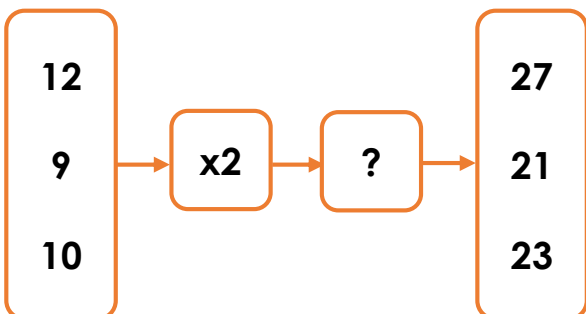
3b. Use the function to match up the inputs and outputs.

$$x \times 2 - 4$$



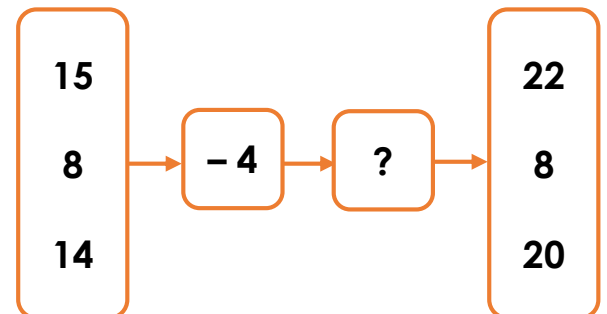
6 VF

4a. What is the algebraic rule for this function machine?



6 VF

4b. What is the algebraic rule for this function machine?

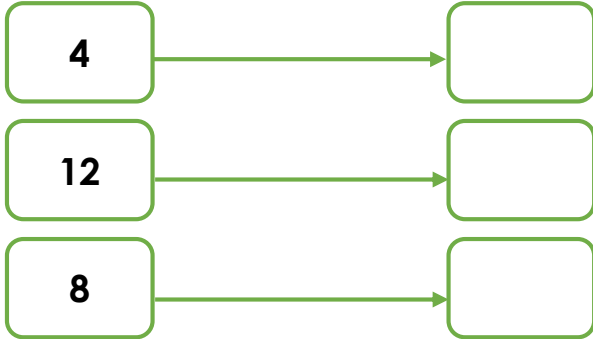


6 VF

Find a Rule – Two Step

5a. Write the outputs for the algebraic function.

$$(a + 4) \div 2$$

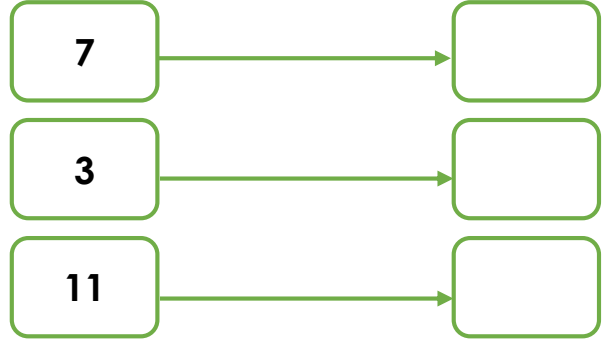


6 VF

Find a Rule – Two Step

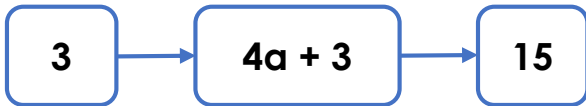
5b. Write the outputs for the algebraic function.

$$3b - 5$$



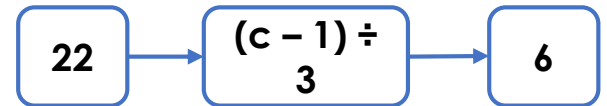
6 VF

6a. True or false?



6 VF

6b. True or false?



6 VF

7a. Use the function to match up the inputs and outputs.

$$3x + 5$$



6 VF

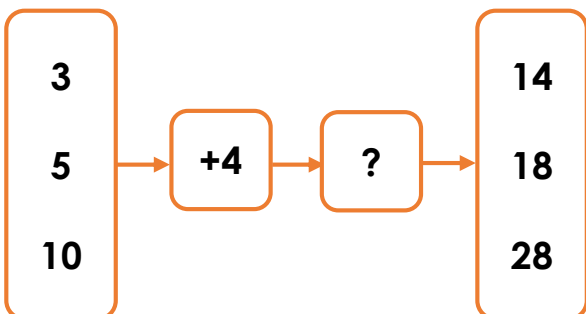
7b. Use the function to match up the inputs and outputs.

$$\div 2 - 4$$



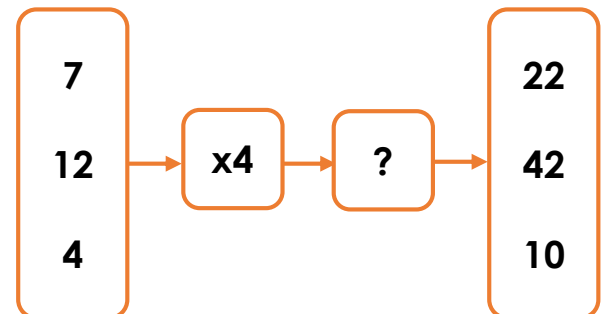
6 VF

8a. What is the algebraic rule for this function machine?



6 VF

8b. What is the algebraic rule for this function machine?

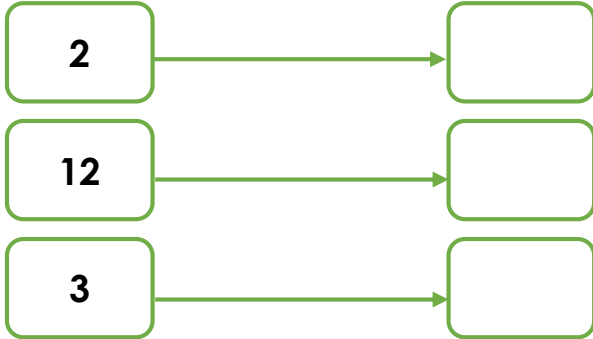


6 VF

Find a Rule – Two Step

9a. Write the outputs for the algebraic function.

$$3a - 11$$

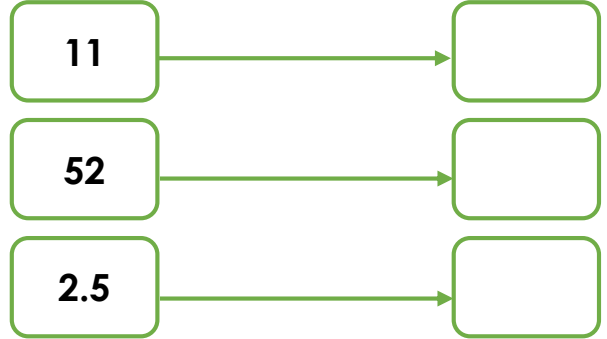


6 VF

Find a Rule – Two Step

9b. Write the outputs for the algebraic function.

$$(b + 4) \div 2$$



6 VF

10a. True or false?



6 VF

10b. True or false?



6 VF

11a. Use the function to match up the inputs and outputs.

$$\div 4 - 20$$



6 VF

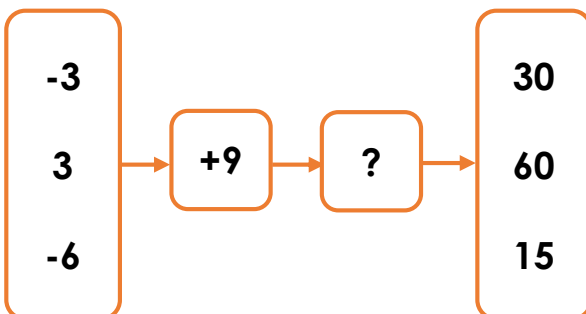
11b. Use the function to match up the inputs and outputs.

$$\times 12 - 8$$



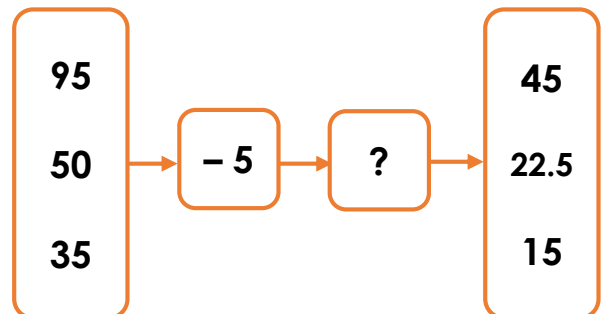
6 VF

12a. What is the algebraic rule for this function machine?



6 VF

12b. What is the algebraic rule for this function machine?



6 VF

Challenge

Write the 2 possible algebraic equations for each of these functions.

p is 4 more than q

b is 12 less than c
