

Week 15

Monday 29th June 2020

Year 5 Two-Step Algebraic Rule - Varied Fluency

*As Algebra is mainly a year 6 objective, you only have **D** and **E** to complete

First, review the basics of algebra using the link:

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

Find a Rule – Two Step

1a. Write the outputs for the algebraic function.

$$2a - 6$$

10



5



4



Find a Rule – Two Step

1b. Write the outputs for the algebraic function.

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

3



8

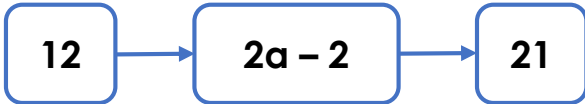


2



2a. True or false?

12



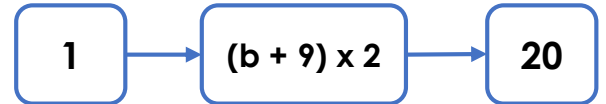
$$2a - 2$$

21



2b. True or false?

1



$$(b + 9) \times 2$$

20



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

$$x \times 2 + 10$$

1



32



11



12



7



24



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

$$x \times 2 - 4$$

8



2



3



18



11

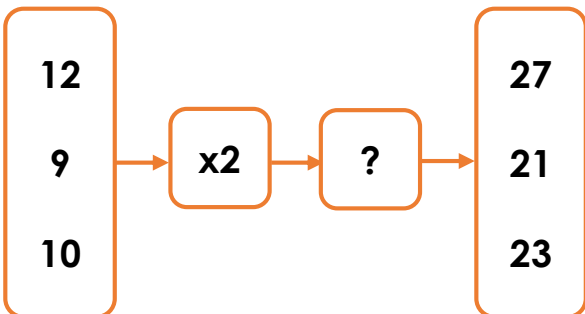


12



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

12



27

9

$\times 2$

?

21

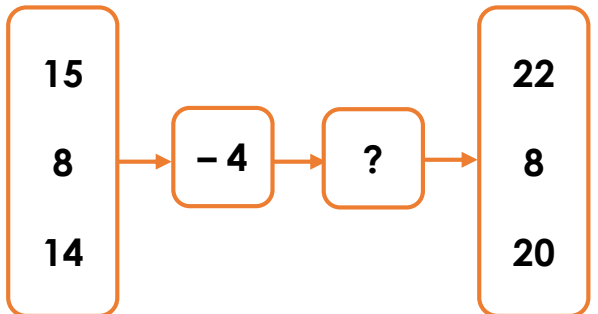
10

23



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

15



22

8

$- 4$

?

8

14

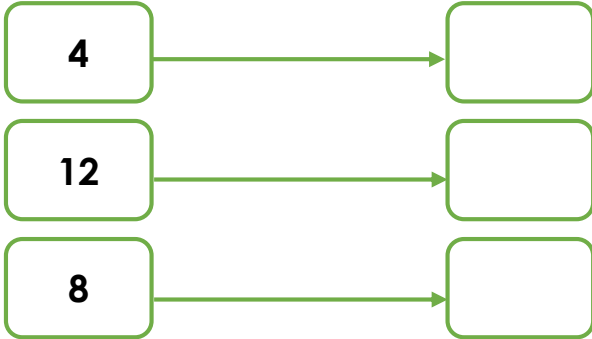
20



Find a Rule – Two Step

5a. Write the outputs for the algebraic function.

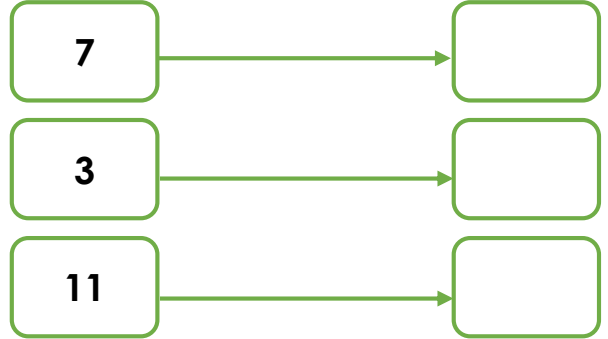
$$(a + 4) \div 2$$



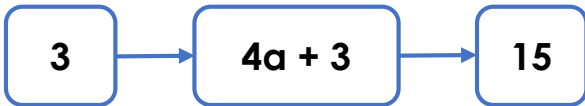
Find a Rule – Two Step

5b. Write the outputs for the algebraic function.

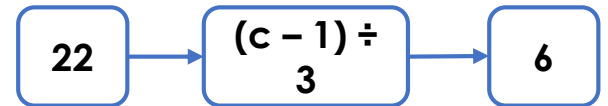
$$3b - 5$$



6a. True or false?



6b. True or false?



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

$$3x + 5$$

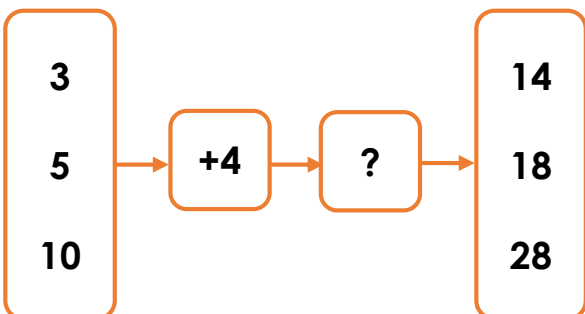


7b. Use the function to match up the inputs and outputs.

$$\div 2 - 4$$



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



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

