

22.02.21    Fluent in five

1) 10% of 187 =

2) 15% of 150 =

3) 19% of 480 =

4)  $4246 \div 6 =$

5)  $6423 \times 27 =$

6)  $15.89 \times 7 =$

1) 10% of 180 =

2) 30% of 90 =

3) 5% of 120 =

4)  $8912 - 4 =$

5)  $184 \times 6 =$

6)  $14.67 + 29.80 =$

WALT form algebraic  
expressions

<https://vimeo.com/499980673>



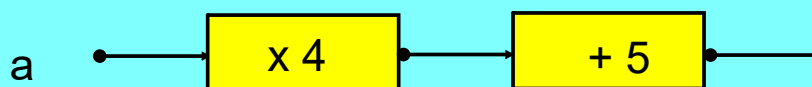
Write the missing statements.

5 more than $y$	$2y$
$y$ less than 5	$y - 5$
$y$ multiplied by 5	$5 - y$
$y$ divided by 5	$y + 5$
double $y$	$5y$
	$y^2$
	$\frac{y}{5}$

What happens if there are two functions?

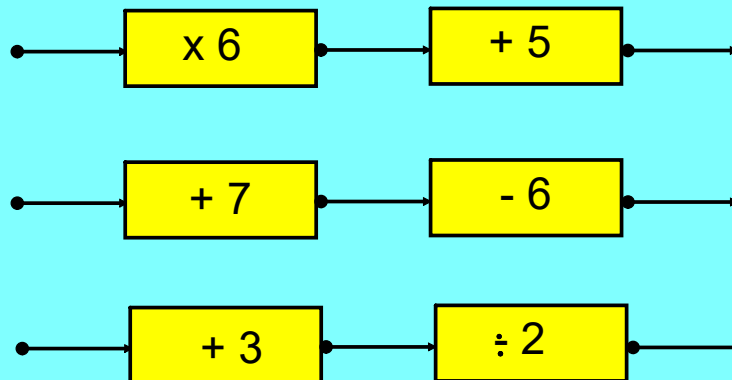
Input

Output



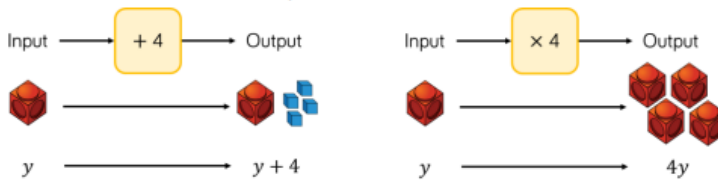
How do we express the output?

Let's try these together



### Varied Fluency

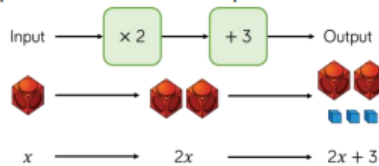
Mo uses cubes to write expressions for function machines.



Use Mo's method to represent the function machines.  
What is the output for each machine when the input is  $a$ ?



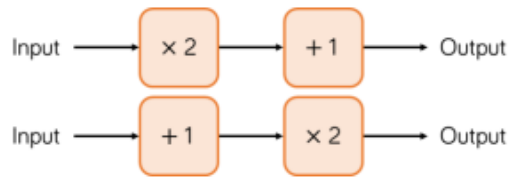
Eva is writing expressions for two-step function machines.



Use Eva's method to write expressions for the function machines.



Amir inputs  $m$  into these function machines.



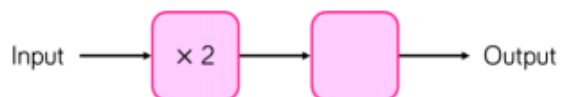
He says the outputs of the machines will be the same.

Do you agree?

Explain your answer.

This function machine gives the same output for every input.

For example if the input is 5 then the output is 5 and so on.



What is the missing part of the function?

What other pairs of functions can you think that will do the same?