



Algebra

2-step function machines

7a. Write the outputs for the two-step function machine below.

Inputs:	Functions:	Outputs:
2.2	$\times 3 \rightarrow \times 5$	
12.25		
-3		



7b. Write the outputs for the two-step function machine below.

Inputs:	Functions:	Outputs:
7.8	$+ 43 \rightarrow \div 4$	
3.88		
-11		



8a. Use the two-step function to match the inputs to the correct outputs.

Functions:	
$\times 6, - 13$	
Inputs:	Outputs:
4.5	44
$12\frac{1}{2}$	14
9.5	62



8b. Use the two-step function to match the inputs to the correct outputs.

Functions:	
$\times 12, - 3.8$	
Inputs:	Outputs:
$9\frac{3}{4}$	113.2
7	140.2
12	80.2



9a. Complete the two-step function machine below.

Inputs:	Functions:	Outputs:
3	$+ 0.7 \rightarrow ?$	-12.3
10		-5.3
$\frac{3}{5}$		-14.7

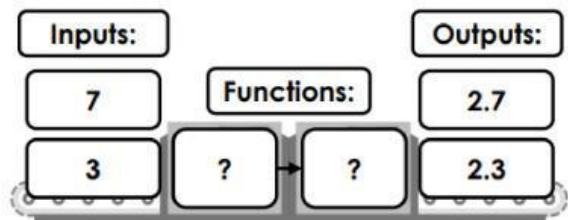


9b. Complete the two-step function machine below.

Inputs:	Functions:	Outputs:
7.5	$\times 7 \rightarrow ?$	52
12		83.5
$\frac{5}{8}$		3.875

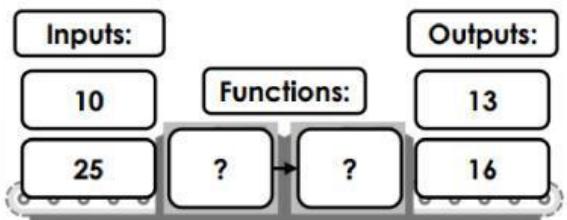


8a. True or false? Explain your answer.
Suggest what the functions could be.



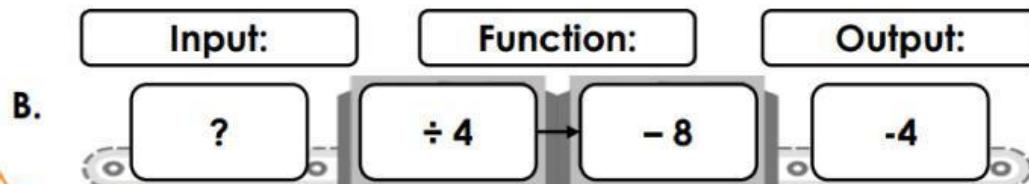
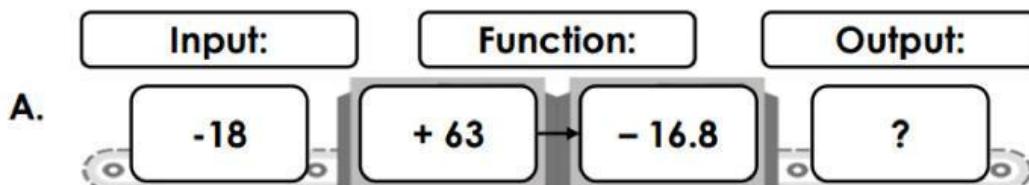
I think that the function is
 $x 2$ and then $- 3.7$ because
 3×2 , then $- 3.7$ is 2.3.

8b. True or false? Explain your answer.
Suggest what the functions could be.



I think that the function is
 $x 2$ and then $- 7$ because
 10×2 , then $- 7$ is 13.

7. Find the missing input and output to the two-step function machines below.



8. Match the inputs and outputs to the correct two-step function below.

Inputs:

17.5

24

27

Function:

$\times 2$ $\times 2$

$\div 3$ $+ 17$

$+ 18$ $- 18$

Outputs:

26

84

17

VF
HW/Ext