Algebra

2-step function machines

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

Inputs:	Functions:		Outputs:
2.2	x 3	x 5	
12.25			
-3			

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

Inputs:	Functions:		Outputs:
7.8	+ 43	÷ 4	
3.88			
-11			

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

Functions: x 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: x 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	?	-12.3
10			-5.3
$\frac{3}{5}$			-14.7

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

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

LIVEWORKSHEETS

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

Inputs:	Functions:		Outputs:
7			2.7
3	?	?	2.3



Jiang: I think that the function is x 2 and then – 3.7 because 3 x 2, then – 3.7 is 2.3.

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

Inputs:	Functions:		Outputs:
10			13
25	?	?	16



Ingrid: I think that the function is x 2 and then – 7 because 10 x 2, then – 7 is 13.

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

A.

Input:	Function:		Output:
-18	+ 63	– 16.8	?

B.

Input:	Function:		Output:
?	÷ 4	– 8	-4

VF
HW/Ext

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

Inputs:	Function:		Outputs:
17.5	x 2	x 2	26
24	÷ 3	+ 17	84
27	+ 18	– 18	17

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