



Algebra

1-step function machines

5a. Using the function below, match the inputs to the correct outputs.

Function: $\div 3$	
Inputs:	Outputs:
84	23
105	28
69	35

5b. Using the function below, match the inputs to the correct outputs.

Function: $\times 8$	
Inputs:	Outputs:
17.5	140
15	124
15.5	120

6a. Circle the function being used in the function machine below.

Inputs:	Function:	Outputs:
6		4.5
4.2	?	2.7



- 1.7

$\div 2$

- 1.5

VF

6b. Circle the function being used in the function machine below.

Inputs:	Function:	Outputs:
7.1		42.6
8	?	48



$\times 4$

$\times 6$

$\times 7$

VF

7a. Work out the missing inputs and outputs for the function machine below.

Inputs:	Function:	Outputs:
		56
114	$\div 6$	



VF

7b. Work out the missing inputs and outputs for the function machine below.

Inputs:	Function:	Outputs:
109		
	$+ 47$	123



VF

8a. Tick the incorrect outputs below.

Inputs:	Function:	Outputs:
49	- 57	-8
63		7
43		-15



VF

8b. Tick the incorrect inputs below.

Inputs:	Function:	Outputs:
96	+ 79	174
207		286
-12		68



VF

6. Billie and Joel are discussing which function should be used in the function machine below. They want to create the smallest number possible.

Input:	Function:	Output:
79.6	?	?



Billie

I think the function 'subtract 39.7' should be used.



Joel

I think the function 'divide by 2' should be used.

Who do you agree with? Explain why.

