



Algebra

1-step function machines

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

Function:
 $\div 3$

Inputs:

84

105

69

Outputs:

23

28

35

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

Function:
 $\times 8$

Inputs:

17.5

15

15.5

Outputs:

140

124

120

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

Inputs:

6

4.2

Function:

?

Outputs:

4.5

2.7

$- 1.7$

$\div 2$

$- 1.5$

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

Inputs:

7.1

8

Function:

?

Outputs:

42.6

48

$\times 4$

$\times 6$

$\times 7$

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

Inputs:

114

Function:

$\div 6$

Outputs:

56

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

Inputs:

109

Function:

$+ 47$

Outputs:

123

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.

