Algebra

1-step function machines

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

Function: ÷ 3

Inputs:	Outputs:
84	23
105	28
69	35

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

Function: x 8

Inputs:	Outputs:
17.5	140
15	124
15.5	120

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

Inputs: 6, 4.2

Function: ?

Outputs: 4.5, 2.7

– 1.7 ÷ 2 – 1.5

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

Inputs: 7.1, 8

Function: ?

Outputs: 42.6, 48

x 4 x 6 x 7

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

Inputs: ____, 114

Function: ÷ 6

Outputs: 56, ____

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

Inputs: 109, ____

Function: + 47

Outputs: ____, 123

LIVEWORKSHEETS

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.

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

Joel

Who do you agree with? Explain why.

LIVEWORKSHEETS

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