



Algebra

1-step function machines

9a. Using the function below, match the inputs to the correct outputs.

Function:
 $\div 7$

Inputs:

98

168

84

Outputs:

12

24

14



VF

9b. Using the function below, match the inputs to the correct outputs.

Function:
 $\times 9$

Inputs:

37

42

47

Outputs:

333

423

378



VF

10a. Circle the function being used in the function machine below.

Inputs:

18.7

14.2

Function:

?

Outputs:

9.6

5.1



$- 5.7$

$\div 3$

$- 9.1$

VF

10b. Circle the function being used in the function machine below.

Inputs:

5.3

8.2

Function:

?

Outputs:

37.1

57.4



$\times 5$

$\times 7$

$+ 31.7$

VF

11a. Work out the missing inputs and outputs for the function machine below.

Inputs:

57

Function:

$- 73$

Outputs:

$- 13$



VF

11b. Work out the missing inputs and outputs for the function machine below.

Inputs:

$\frac{1}{2}$

Function:

$- 0.7$

Outputs:

$- 1.3$



VF

12a. Tick the incorrect outputs below.

Inputs:

3.2

$- 6.7$

4.4

Function:

$- 0.9$

Outputs:

2.5

$- 5.8$

3.5



VF

12b. Tick the incorrect inputs below.

Inputs:

8.9

$\frac{3}{8}$

$- 12$

Function:

$\times 8$

Outputs:

71.1

3.5

$- 96$

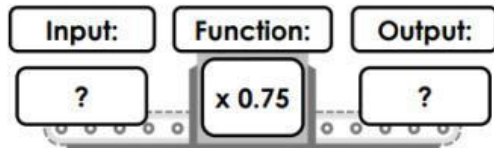


VF

9a. Four of the cards are inputs or outputs of the function machine below.

Circle the odd one out.

21 48 12 28 36



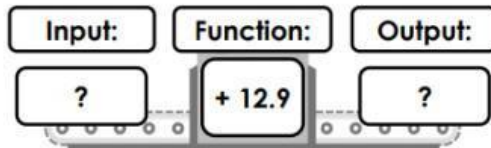
Explain your reasoning.



9b. Four of the cards are inputs or outputs of the function machine below.

Circle the odd one out.

-18.3 -16.6 3.7 -5.4 16.6



Explain your reasoning.

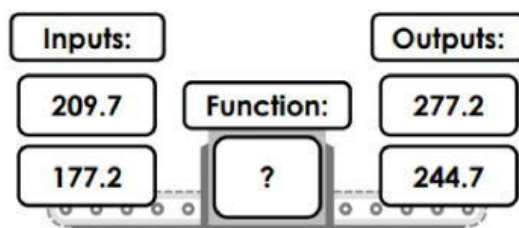
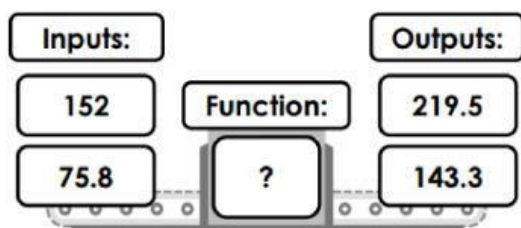


7. Circle the correct function that will allow the inputs to be converted to the outputs below.

$+ 65.5$

$\times 2$

$+ 67.5$



VF
HW/Ext

8. Find the missing functions in the function machines below.

