



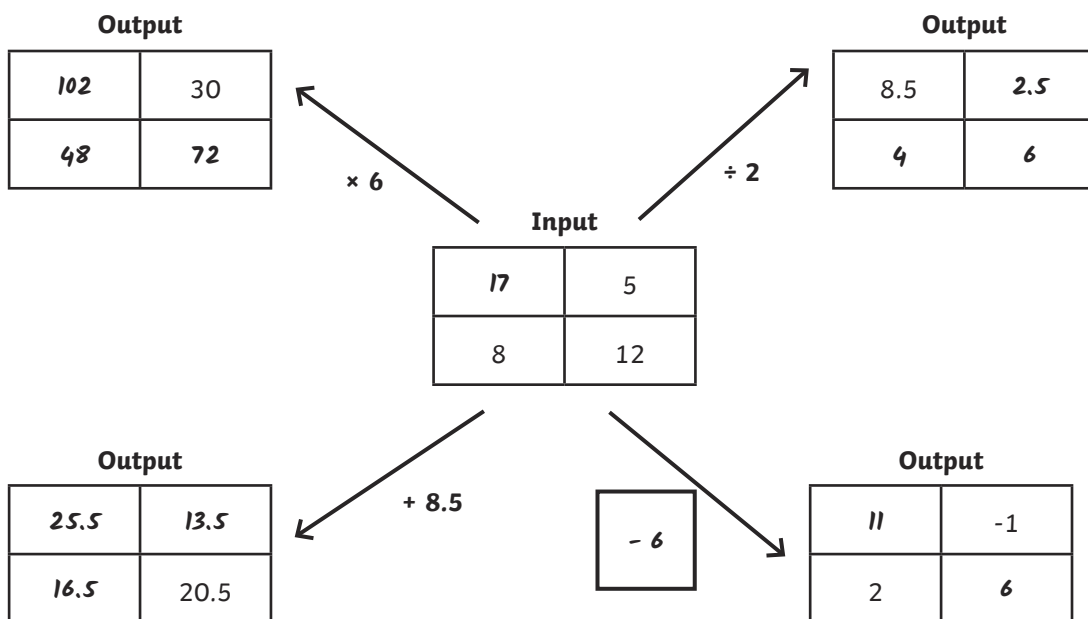
1)

Input
7
20
4.2
13
900
$\frac{1}{2}$

Function
$\times 6$

Output
42
120
25.2
78
5400
3

2)



3)

Input
9.5
99.25
-1

Function
$+ 1.75$

Output
11.25
101
0.75



- 1) a) George is incorrect. For example, if we inputted 2, then the output would be 15, which is not a prime number.
- b) Jia is incorrect. If the input were -14, then the output would be -1.
- c) Alice is correct. If we add 13 to any positive even number, then we are adding an odd and an even number together, which will always result in an odd number.
- 2) a) Multiply the input by itself/square the input.
- b) Yes, as 169 is a square number. $13^2 = 169$.



- 1) Ava's input is 27 and the output is 81.
Ben's input is 12 and the output is 36.

- 2) Answers may vary.

Example answers shown for each number given.

$$\underline{168 \div 21 = 8}$$

$$\underline{28 - 20 = 8}$$

$$\underline{56 - 48 = 8}$$

$$\underline{56 \div 8 = 8}$$

$$\underline{14 - 4 = 10}$$

$$\underline{42 - 32 = 10}$$

$$\underline{280 \div 28 = 10}$$

$$\underline{210 \div 21 = 10}$$

$$\underline{49 - 21 = 28}$$

$$\underline{70 - 42 = 28}$$

$$\underline{588 \div 21 = 28}$$

$$\underline{84 \div 3 = 28}$$