

Output numbers are produced from input numbers by using a certain rule. Work out the rule each time and enter the correct number in the box. A different rule is used for each question.

1	Input	Output	2	Input	Output
	2	→ 7		1	→ 5
	5	→ 10		4	→ 20
	10	→ 15		7	→ 35
	14	→ <input type="text"/>		10	→ <input type="text"/>

3	Input	Output	4	Input	Output
	3	→ 1		5	→ 11
	15	→ 5		8	→ 17
	21	→ 7		10	→ 21
	30	→ <input type="text"/>		12	→ <input type="text"/>

Supply the missing numbers.

5 $12 + 14 = 20 + 2 + \square$

6 $18 + 19 = 20 + \square + 9$

7 $27 + 25 = 40 + \square + 5$

8 $56 + 33 = 80 + 6 + \square$

9 What are the three factors of 9?

10 What are the four factors of 15?

11 12 has six factors. Enter them in the boxes.

In each line below circle 2 numbers which are factors of 24.

12 4 5 10 12 16

13 2 7 8 14 20

14 1 9 18 20 24

Supply the missing multiples in each line.

15 0 4 8 12 16

16 0 10 20 40 60

17 0 7 21 28 42

18 0 18 27 45 54