

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 →

10 →

**3** Input      Output      **4** Input      Output

3 → 1

5 → 11

15 → 5

8 → 17

21 → 7

10 → 21

30 →

12 →

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