

class - IV

Exercise - 5.4

A) Write all the factors of numbers in each pair. Then find the common factors.

1) 6, 8

$$1 \times 6 = 6$$

$$2 \times 3 = 6$$

$$1 \times 8 = 8$$

$$2 \times 4 = 8$$

factors of 6 are 1, 2, 3, 6

factors of 8 are 1, 2, 4, 8

\therefore The common factor is 2.

2) 30, 45

$$1 \times 30 = 30$$

$$2 \times 15 = 30$$

$$3 \times 10 = 30$$

$$5 \times 6 = 30$$

$$1 \times 45 = 45$$

$$3 \times 15 = 45$$

$$5 \times 9 = 45$$

factors of 30 are 1, 2, 3, 5, 6, 10, 15, 30

factors of 45 are 1, 3, 5, 9, 15, 45

\therefore The common factors are 3, 5, 15.

3) 21, 24

$$1 \times 21 = 21$$

$$3 \times 7 = 21$$

$$1 \times 24 = 24$$

$$2 \times 12 = 24$$

$$3 \times 8 = 24$$

$$4 \times 6 = 24$$

The factors of 21 are 1, 3, 7, 21

The factors of 24 are 1, 2, 3, 4, 6, 8, 12, 24

∴ The common factor is 3.

Note:- Rest of the question can be solved by the same method. Solve this question at home.

B) Write all the factors of these numbers. Write the common factors in the part shaded orange.

1) 18, 21

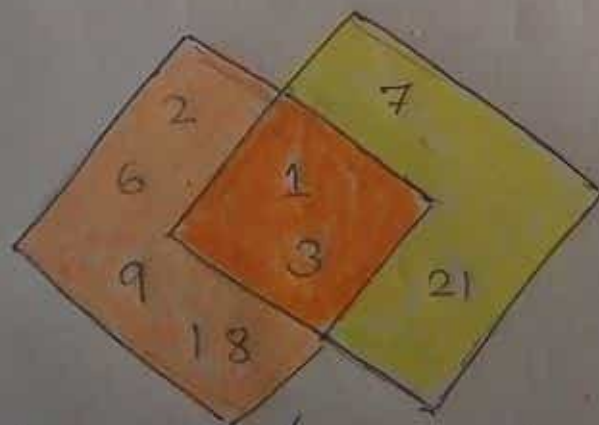
$$1 \times 18 = 18 \quad 1 \times 21 = 21$$

$$2 \times 9 = 18 \quad 3 \times 7 = 21$$

$$3 \times 6 = 18$$

Factors of 18 = 1, 2, 3, 6, 9, 18

Factors of 21 = 1, 3, 7, 21



Solve the rest questions by same method