



ST. LAWRENCE HIGH SCHOOL

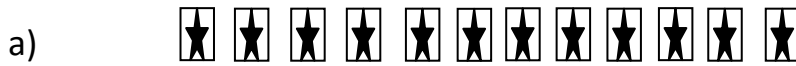


A JESUIT CHRISTIAN MINORITY INSTITUTION

27, BALLYGUNGE CIRCULAR ROAD, KOLKATA- 700019

CLASS – IV SUBJECT- ARITHMETIC ANSWER WORKSHEET – 10 TOPIC – FACTORS DATE – 17.04.2020

1. In how many groups can you arrange the following number of stars? Find out the factors for this number. Support your answer with drawing.



Factors = 1 x 12 = 12



Factors = 2 x 6 = 12



Factors = 3 x 4 = 12



Factors = 4 x 3 = 12



Factors = 6 x 2 = 12



Factors = 12 x 1 = 12

2. Find the factors by multiplication:

- a) 24
- 1 x 24 = 24
 - 2 x 12 = 24
 - 3 x 8 = 24
 - 4 x 6 = 24

So, the factors of 24 are 1, 2, 3, 4, 6, 8, 12 and 24.

- b) 40
- 1 x 40 = 40
 - 2 x 20 = 40
 - 4 x 10 = 40
 - 5 x 8 = 40

So, the factors of 40 are 1, 2, 4, 5, 8, 10, 20 and 40.

c) 12

$$1 \times 12 = 12$$

$$2 \times 6 = 12$$

$$3 \times 4 = 12$$

So, the factors of 12 are 1, 2, 3, 4, 6 and 12.

d) 27

$$1 \times 27 = 27$$

$$3 \times 9 = 27$$

So, the factors of 27 are 1, 3, 9 and 27.

3. Find the factors by division:

a) 16

$$16 \div 1 = 16$$

$$16 \div 2 = 8$$

$$16 \div 4 = 4$$

So, the factors of 16 are 1, 2, 4, 8 and 16.

b) 32

$$32 \div 1 = 32$$

$$32 \div 2 = 16$$

$$32 \div 4 = 8$$

So, the factors of 32 are 1, 2, 4, 8, 16 and 32.

c) 64

$$64 \div 1 = 64$$

$$64 \div 2 = 32$$

$$64 \div 4 = 16$$

$$64 \div 8 = 8$$

So, the factors of 64 are 1, 2, 4, 8, 16, 32 and 64.

d) 48

$$48 \div 1 = 48$$

$$48 \div 2 = 24$$

$$48 \div 3 = 16$$

$$48 \div 4 = 12$$

$$48 \div 6 = 8$$

So, the factors of 48 are 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48.

4. Fill in the missing factors:

a) $14 \longrightarrow 1, \underline{2}, 7, \underline{14}$

b) $9 \longrightarrow \underline{1}, 3, \underline{9}$

c) $26 \longrightarrow \underline{1}, 2, \underline{13}, \underline{26}$

d) $39 \longrightarrow \underline{1}, 3, \underline{13}, 39$

e) $42 \longrightarrow 1, \underline{2}, 3, 6, \underline{7}, 14, \underline{21}, \underline{42}$

f) $19 \longrightarrow 1, \underline{19}$