



SHREE VASISHTHA VIDHYALAYA

Maths Worksheet 2024-25



Name : - _____


Std. : - IV - _____

Roll No. :- _____ Worksheet No. Term-1:01

Date : - _____

Ch.-5: Factors & Multiples Ch-14 Patterns

Q-1 Choose the correct options.

- The counting numbers are called _____ numbers.
 - prime
 - natural
 - Composite
 - none of these
- _____ is least factor of every natural number.
 - 0
 - 2
 - 1
 - 3
- Factors of 12 are _____.
 - 1,3,5 and 12
 - 1,2,3,4,6 and 12
 - 1,3,7 and 12
 - none of these
- _____ are shapes, designs and groups of numbers that repeat themselves in a predictable manner.
 - multiplication
 - patterns
 - addition
 - none of these
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This is a _____ pattern

 - shrinking
 - multiplication
 - division
 - growing

Q-2 Fill in the blanks.

- A growing pattern happens when something is _____ (multiplied) each time.
- A _____ of a number is a product of the given number and some other counting number.
- The numbers which are multiplied together are called the _____ of the product.
- A _____ pattern happens when something is taken away (subtracted/divided) each time.
- The numbers which are divisible by 10 are also divisible by _____.

Q-3 Write T for true and F for false.

- All numbers divisible by 2 and 3 both are divisible by 6. _____
- All odd numbers are divisible by 3. _____
- We can have growing patterns with pictures, objects, shapes and numbers too. _____
- There are infinite number of multiples of every number. _____
- The factors of 11 are 1, 3, 5 and 11. _____

Q-4 Match the following.

1) 126	a) Factors of 8	1) - _____
2) 1, 3, 9, 27, 81	b) Divisible by 9	2) - _____
3) 250	c) Rule is divide by 2 each time	3) - _____
4) 1, 2, 4 and 8	d) Divisible by 5	4) - _____
5) 80, 40, 20, 10, 5	e) Rule is multiply by 3 each time	5) - _____

Q-5 Do as directed.

- Circle the prime numbers.

4	6	11	7	33	55
90	19	80	12	31	45

2) Find all the factors of the following.

a) 40	b) 88	c) 95
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3) Draw the picture that comes next in this reducing pattern.



4) Find the missing number in the following number patterns. Also write the rule for each pattern.

a) 5, 7, 21, 23, 69, _____, _____, _____ Rule _____

b) 50000, 10000, 2000, , , Rule

5) Find the product of the fifth multiple of 3 and eighth multiple of 5.

Q-6 Solve the following.

1) Write the prime factorization of the given numbers by making factor trees.

a) 60	b) 240	c) 175
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2) Write the prime factorization of the given numbers by division method.

a) 160	b) 84	c) 90
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