



SHREE VASISHTHA VIDHYALAYA

Maths Worksheet 2025-26



Name : - _____

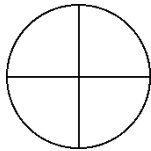
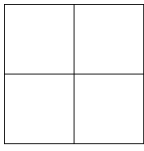
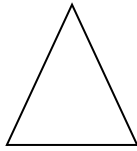

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Roll No. :- _____ Worksheet No. PA1

Date : - _____

L-4 Factors & Multiples, L-5 Fraction, L-17 Patterns

Q. 1) Choose the correct option.

- The HCF of 630 and 805 is _____.
a) 25 b) 30 c) 35
- The LCM of 15, 25 and 30 is _____.
a) 120 b) 180 c) 150
- Which two fractions are equivalent?
a) $\frac{3}{5}$ and $\frac{12}{20}$ b) $\frac{2}{7}$ and $\frac{3}{7}$ c) $\frac{2}{3}$ and $\frac{1}{3}$
- Which of the following figures does not represent a fraction equivalent to others?
a)  b)  c) 
- The next number of the pattern 5, 12, 19, 26 is _____.
a) 31 b) 37 c) 33
- Which of these are co-prime?
a) 16, 18 b) 11, 48 c) 8, 28
- Which of the following will give an answer 1?
a) $\frac{1}{3} \times \frac{2}{1}$ b) $\frac{5}{11} \times \frac{11}{5}$ c) $\frac{3}{4} \times \frac{2}{5}$
- What is the third triangular number?
a) 6 b) 3 c) 10
- Compare the following: $\frac{2}{11}$  $\frac{7}{11}$
a) < b) > c) =

Q. 2) Fill in the blanks.

- A whole number is a fraction with denominator _____.
- Prime numbers that differ by 2 are called _____.
- A number is divisible by 5 if its ones digit is _____ or _____.
- Any whole number which has more than 2 factors is called a _____ number.
- The next number in the Sequence is 3, 33, 333, _____.
- A number is divisible by 6, if the number is divisible by _____ and _____ both.
- A fraction is a part of a _____.
- Write the next three numbers and complete the pattern. 1, 8, 27, 64, _____, _____, _____.

Q. 3) State True or False.

- 1 is a factor of every number. _____
- 136 is an odd number. _____
- Smallest even natural number is 4. _____
- The 3rd multiple of 5 is 20. _____
- Common factor of 2 and 5 is 1. _____

Q. 4) Match the following.

Column-A	Column-B	Ans.
1. 1 fourth + 1 half	a) 25 paise	1.-
2. Greatest factor of 26	b) 4	2.-
3. $\frac{1}{4}$ of 1 Rupee	c) 3 fourths	3.-
4. Least composite number	d) improper fraction	4.-
5. $\frac{9}{5}$	e) 26	5.-

Q. 5) Do as directed.

1. List all the factors of the following numbers.

a) $30 =$ _____

b) $95 =$ _____

c) $36 =$ _____

d) $121 =$ _____

2. Find the LCM of 12, 20 and 30 by listing the multiples.

3. Find the LCM of 16, 28 and 40 by prime factorisation.

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4. Add :

a) $3\frac{5}{6} + 4\frac{1}{6}$	b) $\frac{2}{3} + \frac{3}{4} + \frac{5}{12}$
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5. Subtract:

a) $\frac{8}{9} - \frac{1}{3}$	b) $6\frac{7}{8} - 4\frac{3}{8}$
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6. Check the divisibility of

a) 11718 by 9.	b) 103008 by 4
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7. Evaluate and give your answer in simplest form.

a) $\frac{3}{14} + \frac{17}{21} + \frac{23}{42}$	b) $\frac{25}{18} - \frac{4}{9} - \frac{2}{3}$
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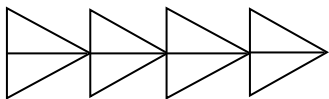
8. Arrange the following fraction in descending order.

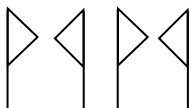
a) $\frac{7}{14}, \frac{5}{21}, \frac{11}{3}, \frac{4}{7}$ _____ b) $\frac{9}{21}, \frac{13}{21}, \frac{10}{21}, \frac{6}{21}$ _____


9. Find the HCF of the following by long division method.

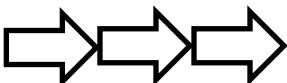
a) 217 and 686	b) 320 and 736
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11. Name the transformation (translation or reflection) used to create the following border pattern.

a)  _____

b)  _____

c)  _____

d)  _____