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Holiday Homework Summer Vacations Class – 5th C

General Knowledge

Written work : Ch-1 to 17 from notebook

Learning work :- Ch-1 to 17 from notebook

Assignment-

1. What is the capital of France?
2. What is the currency of Japan?
3. Which is the largest ocean?
4. Which is the tallest mountain?
5. Who is the inventor of telephone?
6. Which is the fastest land animal?
7. Which is the longest river?
8. Which is the hardest natural substance?
9. Who is first man on moon?
10. What is human blood color?
11. Which is the largest mammal?
12. What is the brain of computer?
13. Which planet closest to sun?
14. Which is the largest desert?
15. Which gas is used in balloons?
16. Which animal have trunk?
17. Shape with three sides is called?
18. What is primary source of energy?
19. Continent with most countries?
20. What is the national sport of Canada?
21. Which is the largest continent?
22. Most spoken language?
23. What is the boiling point of water (Celsius)?
24. Who is the founder of Microsoft?
25. Which is the tallest animal?
26. Who is the inventor of light bulb?

27. What is the capital of Assam?
28. Which is the hottest planet?
29. Which is the longest bone in human body?
30. What is the water formula?
31. Country of pyramids is?
32. Which Organ that pumps blood?
33. Who is the first Indian PM?
34. Which is the coldest continent?
35. Which gas is essential for breathing?
36. How many continents?
37. What is the Capital of India?
38. What is the shape of Earth?
39. Which instrument is used to measure temperature?
40. Number of planets?
41. Animal that lays eggs?
42. Month with least days?
43. What is the main source of oxygen?
44. Smallest prime number?
45. Which planet is known as Red Planet?
46. Metal attracted to magnet?
47. Opposite of hot?
48. Young one of dog?
49. Fruit with seeds outside?
50. Day after Friday?

Hindi

याद करने का कार्य हिंदी व्याकरण- पाठ 1 से 4 अभ्यास साहित याद करें।

लिखने का कार्य हिंदी व्याकरण पुस्तक से:-

शब्द भंडार - विलोम शब्द पर्यायवाची शब्द, श्रुतिसम भिन्नार्थक शब्द, वाक्यांश के लिए एक शब्द याद करें व लिखें। लिखने का कार्य हिन्दी व्याकरण पुस्तक से कठिन शब्द ढूंढकर लिखें।

पाठ-वर्तनी से शुद्ध शब्द, लिखकर अभ्यास करें। रचनात्मक कार्य हर रोज हिन्दी समाचार पत्र पढ़ें व 5 मुख्य समाचार लिखें।

ग्रीष्म अवकाश के समय आप किसी जगह घूमने जाते हैं तो उसका एक विवरण निबंध के रूप में लिखें।

सामान्य निर्देश:*

- गृहकार्य को साफ और सुव्यवस्थित तरीके से लिखें।
- प्रश्नों के उत्तर विस्तार से लिखें।
- प्रोजेक्ट और लेखन कार्य को रचनात्मक और आकर्षक बनाएं।

Sub- English

Class 5 Military English Worksheet - Nouns, Singular/Plural, Synonyms, Antonyms, Misspelled Words

Nouns (Identify/Use/Define)

1. Identify the noun in the sentence: The car is red.
2. Identify the noun in the sentence: The apple is red.
3. Identify the noun in the sentence: The dog is red.
4. Identify the noun in the sentence: The house is red.
5. Identify the noun in the sentence: The book is red.
6. Identify the noun in the sentence: The tree is red.
7. Identify the noun in the sentence: The girl is red.
8. Identify the noun in the sentence: The boy is red.
9. Identify the noun in the sentence: The bird is red.
10. Identify the noun in the sentence: The flower is red.
11. Identify the noun in the sentence: The school is red.
12. Identify the noun in the sentence: The market is red.
13. Identify the noun in the sentence: The shirt is red.
14. Identify the noun in the sentence: The window is red.
15. Identify the noun in the sentence: The sun is red.

Singular/Plural

16. Write the plural form of 'cat'.
17. Write the plural form of 'bus'.
18. Write the plural form of 'baby'.
19. Write the plural form of 'knife'.
20. Write the plural form of 'man'.
21. Write the plural form of 'woman'.
22. Write the plural form of 'tooth'.
23. Write the plural form of 'foot'.
24. Write the plural form of 'mouse'.
25. Write the plural form of 'ox'.
26. Write the plural form of 'child'.
27. Write the plural form of 'leaf'.
28. Write the plural form of 'box'.
29. Write the plural form of 'lady'.
30. Write the plural form of 'hero'.
31. Write the singular form of 'children'.
32. Write the singular form of 'geese'.
33. Write the singular form of 'mice'.

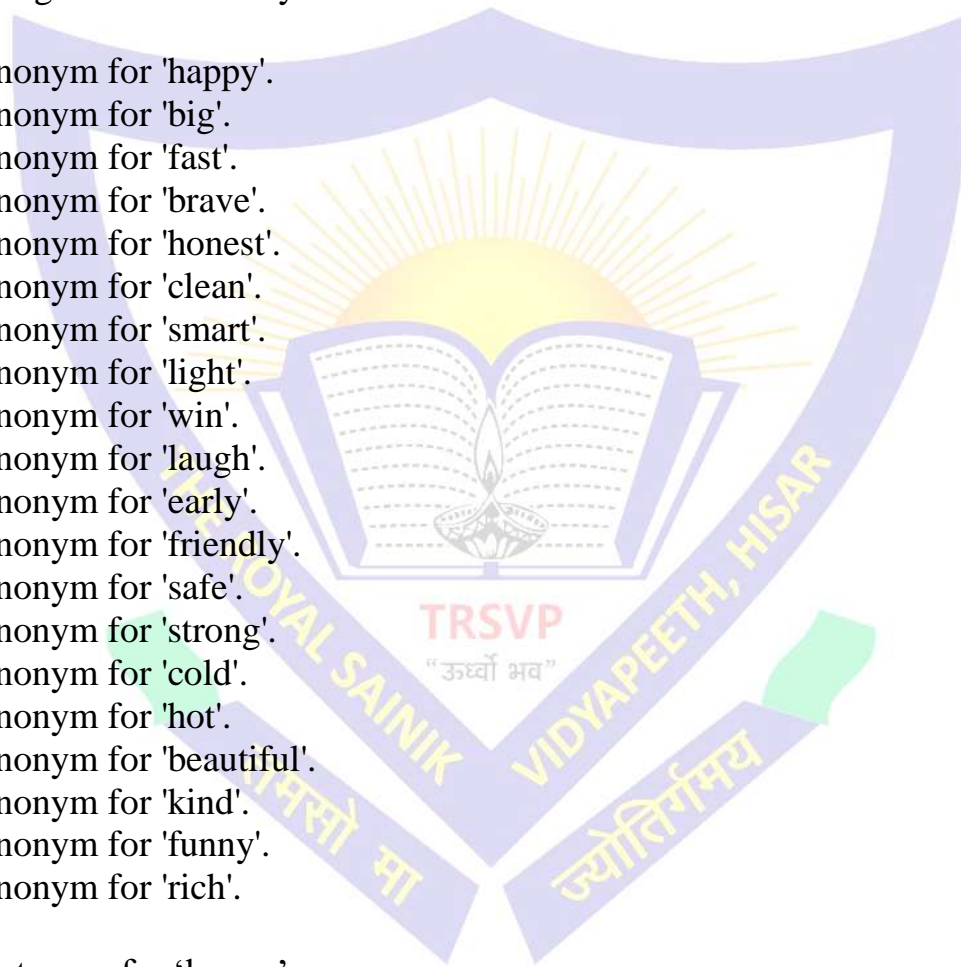
34. Write the singular form of 'wolves'.
35. Write the singular form of 'buses'.
36. Write the singular form of 'ladies'.
37. Write the singular form of 'feet'.
38. Write the singular form of 'men'.
39. Write the singular form of 'teeth'.
40. Write the singular form of 'cars'.
41. Write the singular form of 'bottles'.
42. Write the singular form of 'books'.
43. Write the singular form of 'heroes'.
44. Write the singular form of 'cities'.
45. Write the singular form of 'toys'.

Synonyms

46. Write a synonym for 'happy'.
47. Write a synonym for 'big'.
48. Write a synonym for 'fast'.
49. Write a synonym for 'brave'.
50. Write a synonym for 'honest'.
51. Write a synonym for 'clean'.
52. Write a synonym for 'smart'.
53. Write a synonym for 'light'.
54. Write a synonym for 'win'.
55. Write a synonym for 'laugh'.
56. Write a synonym for 'early'.
57. Write a synonym for 'friendly'.
58. Write a synonym for 'safe'.
59. Write a synonym for 'strong'.
60. Write a synonym for 'cold'.
61. Write a synonym for 'hot'.
62. Write a synonym for 'beautiful'.
63. Write a synonym for 'kind'.
64. Write a synonym for 'funny'.
65. Write a synonym for 'rich'.

Antonyms

66. Write an antonym for 'happy'.
67. Write an antonym for 'big'.
68. Write an antonym for 'fast'.
69. Write an antonym for 'brave'.
70. Write an antonym for 'honest'.
71. Write an antonym for 'clean'.
72. Write an antonym for 'smart'.
73. Write an antonym for 'light'.
74. Write an antonym for 'win'.
75. Write an antonym for 'laugh'.
76. Write an antonym for 'early'.
77. Write an antonym for 'friendly'.



78. Write an antonym for 'safe'.
79. Write an antonym for 'strong'.
80. Write an antonym for 'cold'.
81. Write an antonym for 'hot'.
82. Write an antonym for 'beautiful'.
83. Write an antonym for 'kind'.
84. Write an antonym for 'funny'.
85. Write an antonym for 'rich'.

Misspelled Words (Correct the spelling)

86. Correct the spelling: aplpe
87. Correct the spelling: skool
88. Correct the spelling: frend
89. Correct the spelling: enviroment
90. Correct the spelling: definitely
91. Correct the spelling: techer
92. Correct the spelling: receive
93. Correct the spelling: adress
94. Correct the spelling: believe
95. Correct the spelling: acommodation
96. Correct the spelling: necessary
97. Correct the spelling: ocassion
98. Correct the spelling: seperete
99. Correct the spelling: government
100. Correct the spelling: calender
101. Correct the spelling: knolledge
102. Correct the spelling: tabel
103. Correct the spelling: because
104. Correct the spelling: truly
105. Correct the spelling: peom
106. Correct the spelling: aplpe
107. Correct the spelling: skool
108. Correct the spelling: frend

EVS

1. Which part of the plant absorbs water and minerals from the soil?
2. What is necessary for a seed to grow into a plant?
3. Which part of the plant makes food using sunlight?
4. The process by which a seed becomes a plant is called:
5. Which gas do plants take in during photosynthesis?
6. Which of the following plants grow from cuttings?
7. What helps seeds to move to different places for growing?
8. What is a seedling?
9. Which part of the seedling comes out first during germination?
10. What do seedlings need to grow properly?
11. How does a seedling get food before it grows leaves?

12. Why are seedlings delicate and need care?
13. What is a herb?
14. What is an example of a herb?
15. Herbs are often used in cooking for which purpose?
16. Which part of a herb plant is most commonly used in cooking?
17. Which of the following is a medicinal herb used to soothe a sore throat?
18. What type of environment do herbs usually grow best in?
19. Which herb is commonly used to make tea?
20. What is photosynthesis?
21. What do plants produce during photosynthesis?
22. What is the green pigment in leaves that helps in photosynthesis?
23. In which part of the leaf does photosynthesis mainly take place?
24. Which gas do plants take in during photosynthesis?
25. What do plants release into the air as a byproduct of photosynthesis?
26. Which part of the flower is responsible for producing pollen?
27. The female part of the flower is called the:
28. What is the function of the petals in a flower?
29. Which part of the flower holds the ovules (eggs)?
30. The male part of the flower is called the:
31. Which part of the flower protects the bud before it opens?
32. What is the function of the stigma in a flower?
33. Which part of the flower turns into a fruit after fertilization?
34. What is the role of the style in a flower?
35. The brightly colored parts of the flower that attract insects are called:
36. Write an example of a deciduous tree?
37. What do trees mainly use to make food through photosynthesis?
38. Which part of the tree provides support and helps the tree stand tall?
39. How do trees help the environment? "ऊर्ध्वो भव"
40. Which type of tree has needle-like leaves?
41. Write one bacterial disease?
42. What is the main way bacteria spread and cause infections?
43. Which bacterial disease is spread through contaminated food and water?
44. Which of the following is a common symptom of a bacterial infection?
45. What can be used to treat bacterial infections?
46. Which bacterial disease that affects the throat and can cause a sore throat and fever?
47. What is the best way to prevent the spread of bacterial diseases?
48. Which bacterial disease affects the lungs and can make it hard to breathe?
49. Write a common bacterial infection of the skin?
50. Write a way to avoid bacterial infections?
51. Write a name of viral disease?
52. How are viral diseases usually spread?
53. Which viral disease causes a high fever, sore throat, and a rash?
54. What is the best way to prevent viral infections?
55. Which of the following viral diseases can cause a cold or flu-like symptoms?
56. Which viral disease is known to cause a rash, fever, and is most common in children?
57. Which of the following viral diseases can be prevented by vaccination?

58. What is the virus that causes AIDS?
59. What is a common symptom of viral infections?
60. What is a protozoan disease?
61. What is the name of the protozoa that causes malaria?
62. How is malaria usually spread?
63. Which symptom is commonly associated with malaria?
64. What is the best way to prevent malaria?
65. What protozoan disease is spread by the tsetse fly?
66. What are protozoa?
67. Write is a protozoan disease that causes severe diarrhea?
68. A deficiency of Vitamin A can lead to which disease?
69. Which vitamin deficiency causes a disease called scurvy?
70. A lack of Vitamin D in the body can cause a condition called:
71. Which vitamin is important for healthy bones and teeth?
72. What is a common symptom of a Vitamin A deficiency?
73. Which vitamin deficiency is associated with a condition called beriberi?
74. What is a source of Vitamin C?
75. What can happen if you have a deficiency of Vitamin B12?
76. A deficiency of which vitamin can result in poor wound healing and bleeding gums?
77. Which vitamins helps the body absorb calcium for strong bones?
78. Why is it important to brush your teeth regularly?
79. What is a good habit for maintaining personal hygiene?
80. What is the purpose of using a handkerchief or tissue when coughing or sneezing?
81. How often should you wash your hands to stay healthy?
82. What should you do if you have a wound or cut on your skin?
83. What is the main benefit of staying clean and practicing good hygiene?
84. Why should you cover your mouth when coughing or sneezing?
85. What is the main purpose of vaccination? भव
86. Which is a common disease that can be prevented by vaccination?
87. How do vaccines work in the body?
88. Which vaccines is commonly given to protect against polio?
89. What can happen if a person does not get vaccinated?
90. Write a common side effect of vaccines?
91. Who should get vaccinated?
92. Vaccines help to prevent diseases from spreading to other people. This is called:
93. What is the safest way to cross the street?
94. What is an important safety rule when riding a bicycle?
95. What should you do before crossing the road at a crosswalk?
96. What should you do if you are in a car and the seatbelt is not on?
97. When walking along the road, where is the safest place to walk?
98. What should you do if you are walking near a road and there is no sidewalk?
99. Why is it important to wear bright clothes when walking near the road?
100. What should you do when you hear the sound of a car horn while walking near the road?
101. What is an acid?
102. Write an example of a common acid?
103. What happens when an acid reacts with a base?

104. Which acids is found in vinegar?
105. What is the taste of an acid?
106. What is a property of acids?
107. Which acid is found in the stomach to help with digestion?
108. What is the pH range of an acid?
109. Write a substances which is acidic?
110. What is formed when an acid and a metal react?
111. What is a base?
112. What is the pH range of a base?
113. Which chemicals is used as a base in cleaning products?
114. What is formed when a base reacts with a metal?
115. What happens when you mix a base with water?
116. What is global warming?
117. Which gas is mainly responsible for global warming?
118. What is a greenhouse gas?
119. Which human activity increases global warming the most?
120. What can we do to help reduce global warming?
121. What happens when polar ice melts due to global warming?
122. Why is planting trees good for the environment?
123. What type of energy is better for the environment?
124. What is the chemical name of common salt?
125. Which two elements make up common salt?

Note:- Write in fair notebook.

Mathematics

Chapter 1: Number system

1. Write the number names for the following numbers:
4,32,615 | 9,87,430 | 1,20,001
2. Arrange the following in ascending and descending order:
234567, 99876, 45678, 102345
3. Write 5 numbers greater than 6,50,000 and less than 7,00,000.
4. Make a place value chart in Indian number system and international number system.
5. Write the definition of Rational number, Whole number, Natural number, Integers, Prime number, Composite number, Co-prime number, Twin prime number.
6. Solve atleast 25 question of the chapter.

Chapter 2: Addition and Subtraction

1. Solve these word problems:
A city has a population of 8,45,678. Another city has 7,65,321 people. What is the total population?
A library had 9,20,000 books. 2,15,000 books were taken. How many books are left?
2. Do 10 problems each of:
Addition (5-digit numbers)
Subtraction (5-digit numbers)
3. Write your own 2 word problems for addition and subtraction.
4. Do atleast 20 question of the chapter.

Chapter 3: Multiplication

1. Multiply:

$$4568 \times 235$$

$$6726 \times 896$$

$$2045 \times 675$$

2. Solve:

If 1 book costs Rs. 245, what is the cost of 18 books?

3. Write the multiplication tables from 11 to 30. Also learn them.

4. Create a multiplication grid from 1 to 12.

5. Do atleast 20 question of the chapter.

Chapter 4: Division

1. Divide and check:

$$846 \div 6$$

$$9240 \div 12$$

$$10125 \div 15$$

2. Solve:

Rs. 6,300 is to be divided among 7 friends. How much does each get?

3. Write 3 real-life division word problems and solve them.

4. Do atleast 25 question of the chapter.

Chapter 5: Factors and Multiples

1. Write all the factors of:

24, 36, 45, 72, 91

2. Write first 10 multiples of:

8, 12, 15, 17, 23

3. Circle the prime numbers:

3, 4, 7, 9, 11, 13, 15, 17

4. List 5 twin primes between 1 and 50.

5. Make a colourful poster showing prime and composite numbers from 1–50.

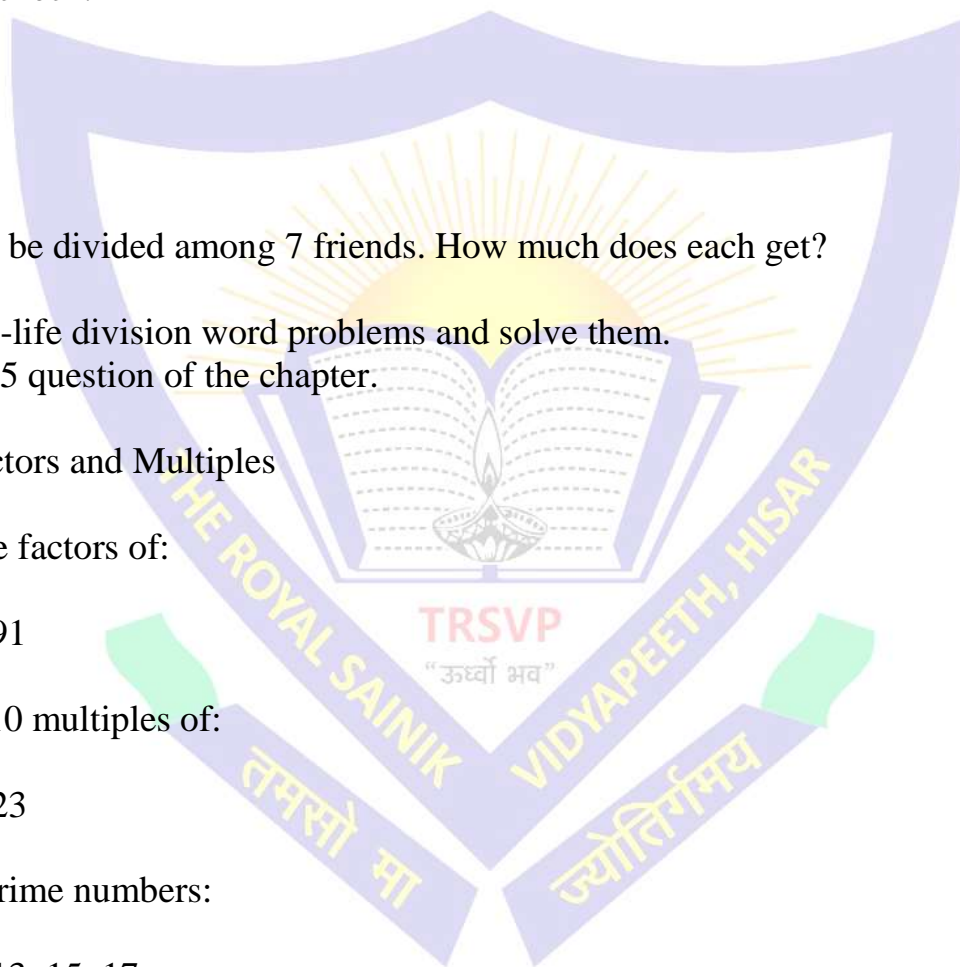
6. Do atleast 25 question of the chapter.

Extra work

1. Write and learn square upto 30 and cubes upto 25

Sub-Reasoning

Written work-Do all the question from RMS book upto Chapter 8 with solution



1. Which is the odd one out?

- a) Apple
- b) Banana
- c) Carrot
- d) Mango

2. What comes next in the series: 2, 4, 6, 8, ____

- a) 10
- b) 12
- c) 11
- d) 14

3. Which shape completes the pattern?

Square, Triangle, Square, Triangle, ____

- a) Circle
- b) Square
- c) Triangle
- d) Rectangle

4. If CAT = 3120, then DOG = ?

- a) 4157
- b) 4177
- c) 4167
- d) 4147

5. Find the odd number: 11, 13, 15, 17, 19

- a) 11
- b) 13
- c) 15
- d) 17

6. Which direction is opposite of North-East?

- a) South-East
- b) North-West
- c) South-West
- d) East

7. Which is different: Pen, Pencil, Eraser, Chair

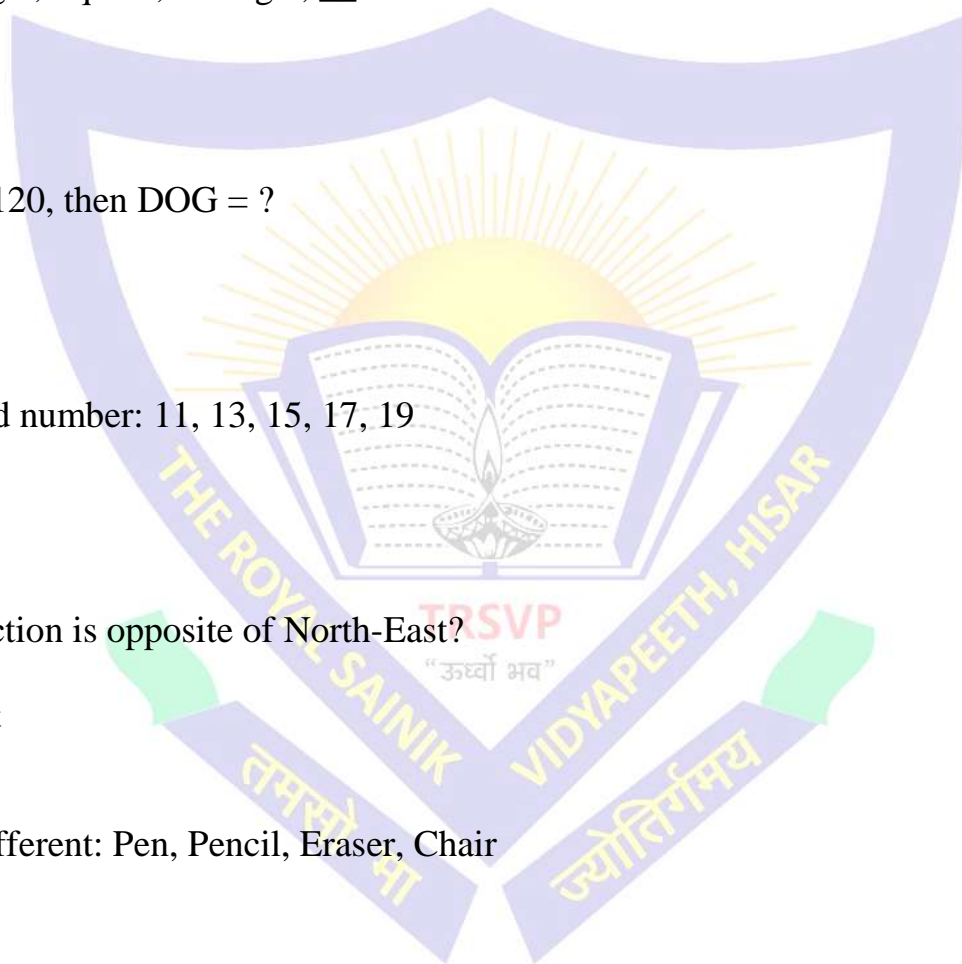
- a) Pen
- b) Pencil
- c) Eraser
- d) Chair

8. Fill in the blanks: A, C, E, G, ____

- a) H
- b) I
- c) J
- d) K

9. Mirror image of 613?

- a) 316
- b) 913
- c) 319
- d) 316



10. If $2 + 3 = 13$, $4 + 5 = 41$, then $6 + 7 = ?$

- a) 65
- b) 72
- c) 85
- d) 97

11. What comes next in the pattern: Z, X, V, T, ____

- a) R b) S c) Q d) P

12. Which is the odd one out?

- a) Table b) Chair c) Sofa d) Book

13. If $A = 1$, $B = 2$, $C = 3$, then $Z = ?$

- a) 24 b) 25 c) 26 d) 27

14. Find the missing number: 3, 6, 12, 24, ____

- a) 36 b) 48 c) 50 d) 54

15. In a code, STAR is written as TSAR. How is TRAP written?

- a) TARP b) TRPA c) TPRA d) TARO

16. Raju walks 10 m north, then turns right and walks 10 m. Which direction is he facing now?

- a) North b) East c) South d) West

17. Which number is missing: 7, 14, ____, 56, 112

- a) 21 b) 28 c) 35 d) 42

18. Choose the word that does not belong:

- a) Cow b) Goat c) Horse d) Tiger

19. If $5 \times 3 = 28$ and $6 \times 4 = 50$, then $7 \times 2 = ?$

- a) 36 b) 38 c) 40 d) 42

20. Complete the series: 1, 1, 2, 3, 5, 8, ____

- a) 12 b) 13 c) 14 d) 15

21. What comes next in the pattern: Z, X, V, T, ____

- a) R b) S c) Q d) P

22. Which is the odd one out?

- a) Table b) Chair c) Sofa d) Book

23. If $A = 1$, $B = 2$, $C = 3$, then $Z = ?$

- a) 24 b) 25 c) 26 d) 27

24. Find the missing number: 3, 6, 12, 24, ____

- a) 36 b) 48 c) 50 d) 54

25. In a code, STAR is written as TSAR. How is TRAP written?

- a) TARP b) TRPA c) TPRA d) TARO

26. Raju walks 10 m north, then turns right and walks 10 m. Which direction is he facing now?

- a) North b) East c) South d) West

27. Which number is missing: 7, 14, ____, 56, 112

- a) 21 b) 28 c) 35 d) 42

28. Choose the word that does not belong:

- a) Cow b) Goat c) Horse d) Tiger

29. If $5 \times 3 = 28$ and $6 \times 4 = 50$, then $7 \times 2 = ?$

- a) 36 b) 38 c) 40 d) 42

30. Complete the series: 1, 1, 2, 3, 5, 8, ____

- a) 12 b) 13 c) 14 d) 15

Learn Cubes
from 1 to 15

$1^3 = 1$

$2^3 = 8$

$3^3 = 27$

$4^3 = 64$

$5^3 = 125$

$6^3 = 216$

$7^3 = 343$

$8^3 = 512$

$9^3 = 729$

$10^3 = 1000$

$11^3 = 1331$

$12^3 = 1728$

$13^3 = 2197$

$14^3 = 2744$

$15^3 = 3375$

Table of squares from 1 to 50

$1^2 = 1$	$11^2 = 121$	$21^2 = 441$	$31^2 = 961$	$41^2 = 1681$
$2^2 = 4$	$12^2 = 144$	$22^2 = 484$	$32^2 = 1024$	$42^2 = 1764$
$3^2 = 9$	$13^2 = 169$	$23^2 = 529$	$33^2 = 1089$	$43^2 = 1849$
$4^2 = 16$	$14^2 = 196$	$24^2 = 576$	$34^2 = 1156$	$44^2 = 1936$
$5^2 = 25$	$15^2 = 225$	$25^2 = 625$	$35^2 = 1225$	$45^2 = 2025$
$6^2 = 36$	$16^2 = 256$	$26^2 = 676$	$36^2 = 1296$	$46^2 = 2116$
$7^2 = 49$	$17^2 = 289$	$27^2 = 729$	$37^2 = 1369$	$47^2 = 2209$
$8^2 = 64$	$18^2 = 324$	$28^2 = 784$	$38^2 = 1444$	$48^2 = 2304$
$9^2 = 81$	$19^2 = 361$	$29^2 = 841$	$39^2 = 1521$	$49^2 = 2401$
$10^2 = 100$	$20^2 = 400$	$30^2 = 900$	$40^2 = 1600$	$50^2 = 2500$

Square and Cube Numbers

Maths Mastery

Ring the square numbers.

1		4	17		89	144
	49			36		
75		101	81	123		9
	25			46	121	64
100		66	16		12	

Ring the cube numbers.

1		343		8		
	12				1000	125
89			50	81		
	64				27	1200
						9
729	42	216	100			512

Match the squared and cube numbers.

2^2

6^2

3^2

7^2

11^2

9^2

12^2

1^2

4^2

5^2

8^2

49

25

121

216

144

16

64

125

1

81

9

27

36

8

4

1^3

4^3

6^3

3^3

2^3

5^3

Using and Recognising Square and Cube Numbers

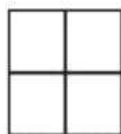
Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).

Square Numbers

The product of a number multiplied by itself.

Can be illustrated as a square, e.g.

$$2^2 = 2 \text{ squared} = 2 \times 2 = 4$$



A. Complete the table.

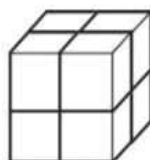
1^2	1×1	1
2^2		4
3^2	3×3	
	4×4	16
5^2		
		36
	7×7	
8^2		
10^2		100

Cube Numbers

The product of multiplying a digit by itself three times.

Can be illustrated as a cube, e.g.

$$2^3 = 2 \text{ cubed} = 2 \times 2 \times 2 = 8$$



B. Complete the table.

1^3	$1 \times 1 \times 1$	1
2^3	$2 \times 2 \times 2$	
3^3		27
	$4 \times 4 \times 4$	64
5^3	$5 \times 5 \times 5$	
6^3	$6 \times 6 \times 6$	
		343
8^3		512
	$9 \times 9 \times 9$	729
10^3		

C. Calculate the missing numbers.

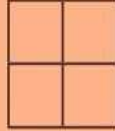
a) $7^2 + 4^3 =$	b) $8^2 + 10^2 =$	c) $5^3 - 5^2 =$
d) $5^2 + \underline{\quad} = 89$	e) $\underline{\quad} - 8^2 = 17$	f) $3^2 \times 2^3 =$
g) $3^2 + \underline{\quad} = 5^2$	h) $6^3 \div 2^2 =$	i) $13^2 =$
j) $10^3 - 2^2 =$	k) $100^2 =$	l) $\underline{\quad}^2 = 144$

Squire Square

Squire Square is investigating square numbers. When you multiply a number by itself, you get a square number. We show a number is being squared by writing a small number 2 above and to the right of the number. For example:

$$2^2 = 2 \text{ squared} = 2 \times 2 = 4$$

This can also be illustrated with a square:



Complete the following table with all the square numbers up to 10^2 to help Squire Square.

1^2	1×1	1
2^2		
3^2		
		16
5^2		
6^2		36
	7×7	
8^2		
9^2		
10^2		

Well done – you completed the squire's challenge! Now, try to complete these calculations using your knowledge of square numbers.

1. $7^2 + 3^2 =$ _____

4. $4^2 + 5^2 =$ _____

2. $10^2 + 6^2 =$ _____

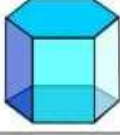
5. $6^2 + 6^2 =$ _____

3. $3^2 + 8^2 =$ _____

6. $3^2 + 4^2 + 5^2 =$ _____

MENTAL MATH QUIZ 5:1



1)	$27 + 0.6 + 0.02$	
2)	$360 \div 4$	
3)	How many edges? 	
4)	I have a litre bottle of cola. I drink 650ml. How much is left?	ml
5)	Which two numbers have a sum of 15 and a product of 36?	
6)	How many quarts make 5 gallons?	
7)	$4\frac{1}{3} - \frac{2}{3}$	
8)	Write down all the factors of 33. ____ ____ ____ ____	
9)	Which of these numbers is not a multiple of 3? 81 111 73 27 105	
10)	Flight time from Houston to Orlando is 2 hours to 20 minutes. I arrive at Orlando at 4:15pm. What time did I set off?	
11)	What is $\frac{3}{4}$ of 20m?	m
12)	What is the value of $3 \times (2 + 5)$?	
13)	At a wildlife center, adult entry is \$12 and child entry is \$8. I pay for 2 adults and 3 children with a \$50 bill. How much change?	
14)	The time is a quarter to 7 in the evening. Write this in 24 clock time.	
15)	A kid's skipping rope is 7ft long. How many skipping ropes could I cut from a 10-yard-long piece of rope?	
16)	$55 \text{ ft} = \text{ ____ yd } \text{ ____ ft}$	
17)	Write down all the prime numbers between 10 and 20.	
18)	How many thirds make 5?	

Mental Maths Worksheet: Squares and Cubes Part A:

Squares

Write the square of each number

1. $4^2 =$ _____

2. $7^2 =$ _____

3. $9^2 =$ _____

4. $12^2 =$ _____

5. $15^2 =$ _____

6. $18^2 =$ _____

7. $25^2 =$ _____

8. $30^2 =$ _____

Part B: Cubes

Write the cube of each number.

1. $2^3 =$ _____

2. $3^3 =$ _____

3. $5^3 =$ _____

4. $6^3 =$ _____

5. $8^3 =$ _____

6. $10^3 =$ _____

7. $11^3 =$ _____

8. $12^3 =$ _____

Part C: Fill in the blanks

1. The square root of 121 is _____

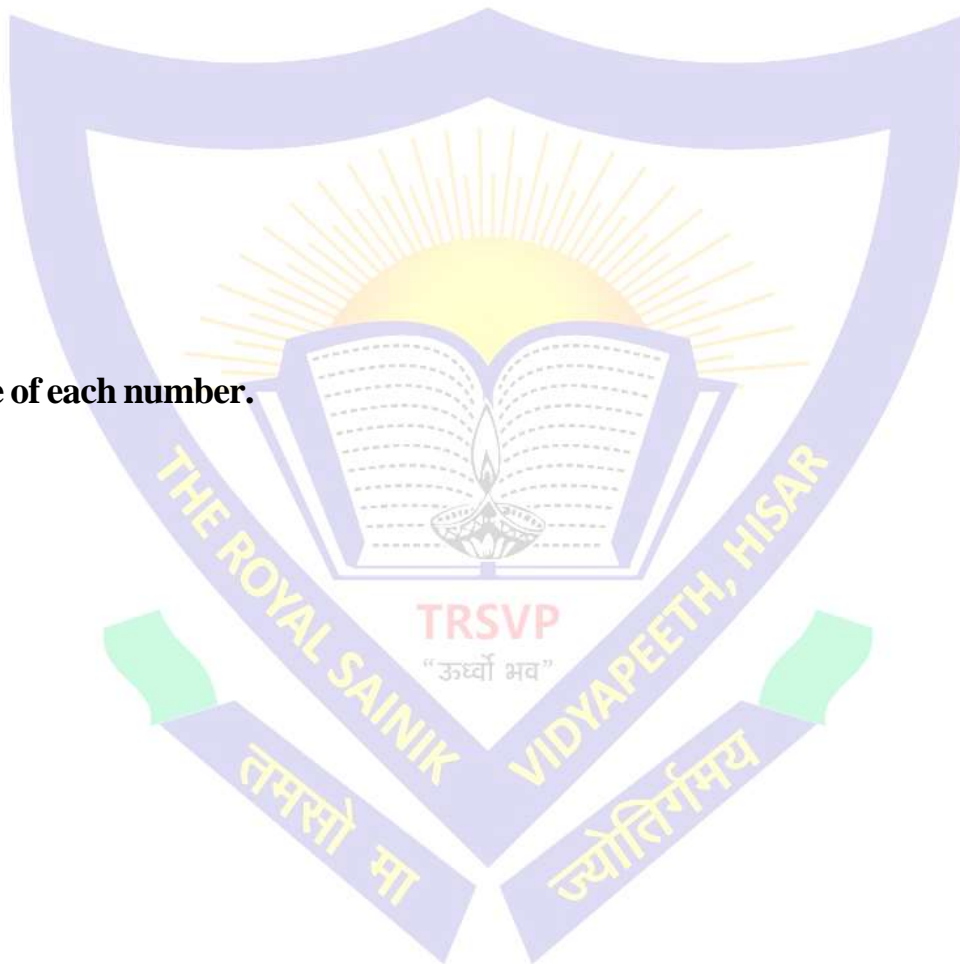
2. The cube root of 27 is _____

3. 144 is the square of _____

4. 125 is the cube of _____

5. The square of 13 is _____

6. The cube of 4 is _____



Mental Maths - Multiplication Tables Worksheet

Instructions: Solve the following questions mentally. Do not use a calculator or write down calculations.

Section A: Fill in the blanks

1. $6 \times 7 = \underline{\quad}$

2. $9 \times 5 = \underline{\quad}$

3. $4 \times 8 = \underline{\quad}$

4. $12 \times 6 = \underline{\quad}$

5. $7 \times 3 = \underline{\quad}$

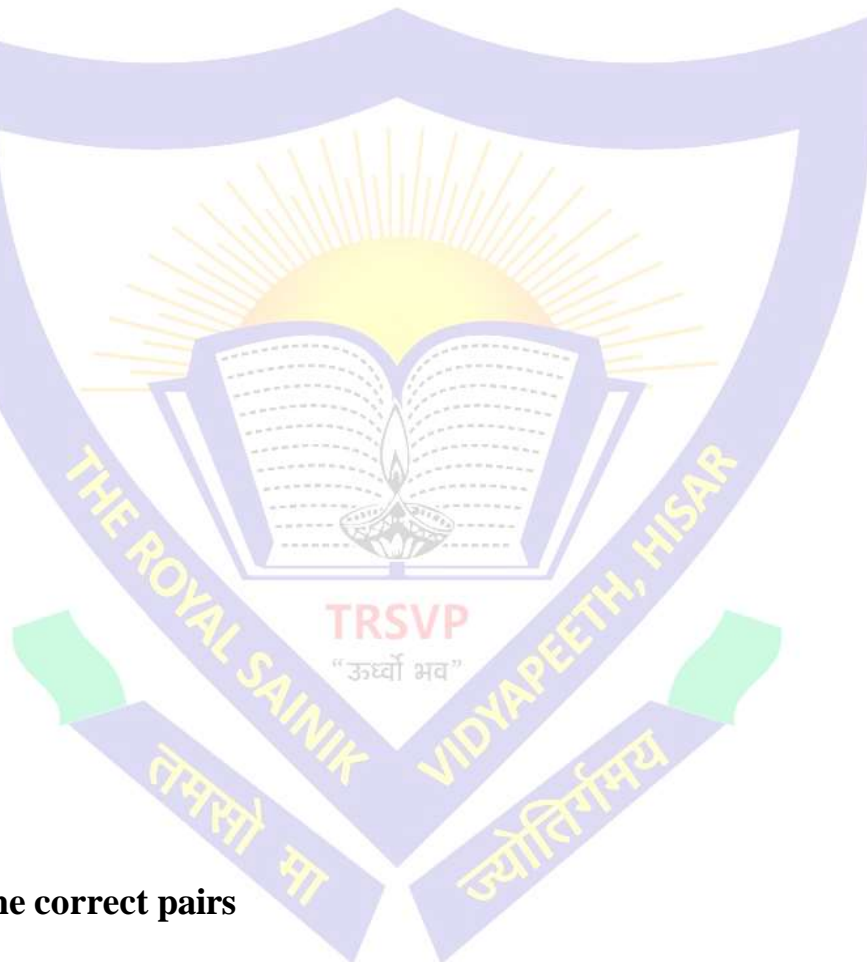
6. $2 \times 11 = \underline{\quad}$

7. $10 \times 9 = \underline{\quad}$

8. $8 \times 8 = \underline{\quad}$

9. $5 \times 12 = \underline{\quad}$

10. $3 \times 4 = \underline{\quad}$



Section B: Match the correct pairs

Match the question the correct answer.

Questions	Answers
A. 11×2	1. 66
B. 6×11	2. 22
C. 7×9	3. 72
D. 8×9	4. 63
E. 12×6	5. 132

Section C: Speed Drill

Solve these quickly:

1. $3 \times 9 =$ _____

2. $4 \times 7 =$ _____

3. $6 \times 6 =$ _____

4. $2 \times 12 =$ _____

5. $11 \times 5 =$ _____

Mental Maths Worksheet – Roman Numerals

Section A: Convert Roman Numerals to Hindu-Arabic Numbers

1. DCCLIX = ____

2. CDXVII = ____

3. CMLXXV = ____

4. LXXXIII = ____

5. XCIX = ____

Section B: Convert Hindu-Arabic Numbers to Roman Numerals

6. 414 = ____

7. 539 = ____

8. 276 = ____

9. 391 = ____

10. 120 = ____

Section C: Solve Using Roman Numerals (Write

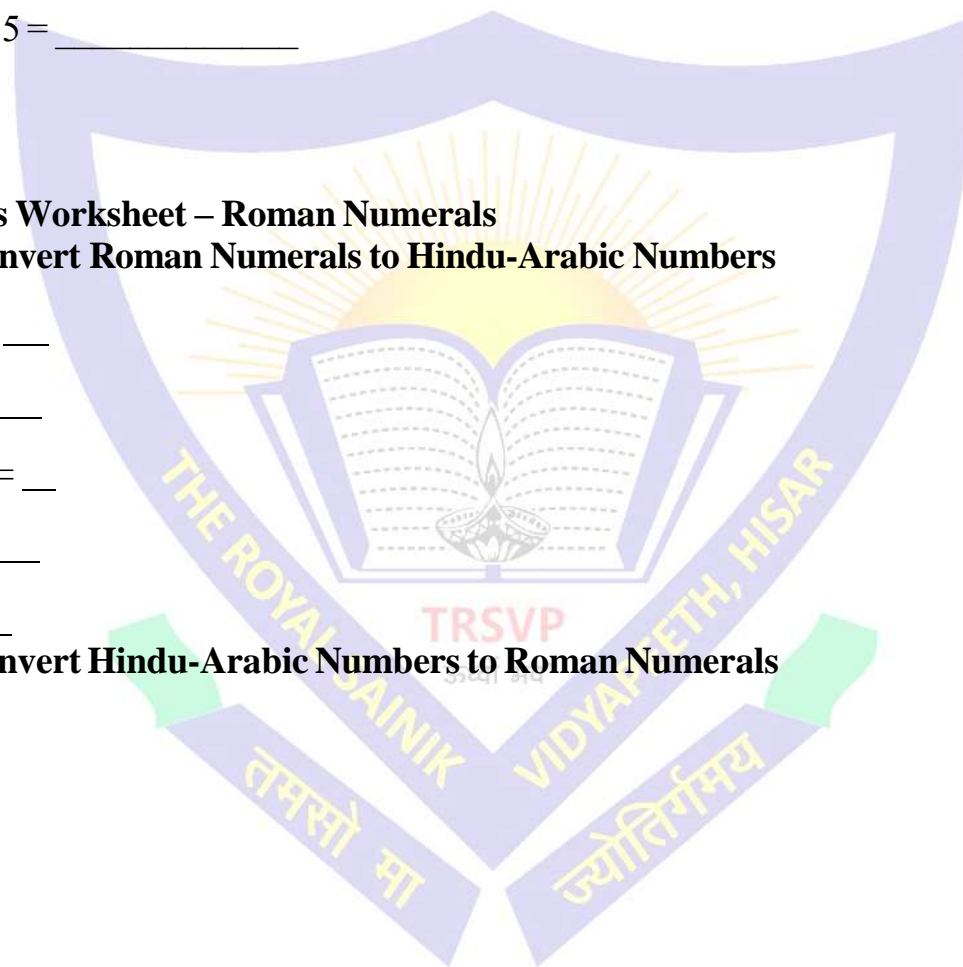
the final answer in Roman numerals)

11. XII + VIII = ____

12. XX - V = ____

13. XV \times II = ____

14. L \div V = ____



15. $XXV + XL = \underline{\hspace{2cm}}$

16. A gladiator had XV swords. He gave away VII. How many swords does he have left?

17. A Roman baker baked XX loaves in the morning and XXV in the evening. How many loaves in total?

18. A chariot race had XXX participants. VI dropped out. How many finished the race?

19. A Roman merchant had C coins. He lost XXV. How many are left?

Mental Maths Worksheet: Multiples and Factors

Part A: Find the Multiples

Write the first 5 multiples of the following numbers:

1. $4 = \underline{\hspace{2cm}}$

2. $7 = \underline{\hspace{2cm}}$

3. $9 = \underline{\hspace{2cm}}$

4. $12 = \underline{\hspace{2cm}}$

5. $15 = \underline{\hspace{2cm}}$

Part B: List the Factors

List all factors of the following numbers:

6. $18 = \underline{\hspace{2cm}}$

7. $24 = \underline{\hspace{2cm}}$

8. $30 = \underline{\hspace{2cm}}$

9. $36 = \underline{\hspace{2cm}}$

10. $45 = \underline{\hspace{2cm}}$

Part C: True or False

Circle True or False:

11. 5 is a factor of 35 – True / False

12. 8 is a multiple of 4 – True / False

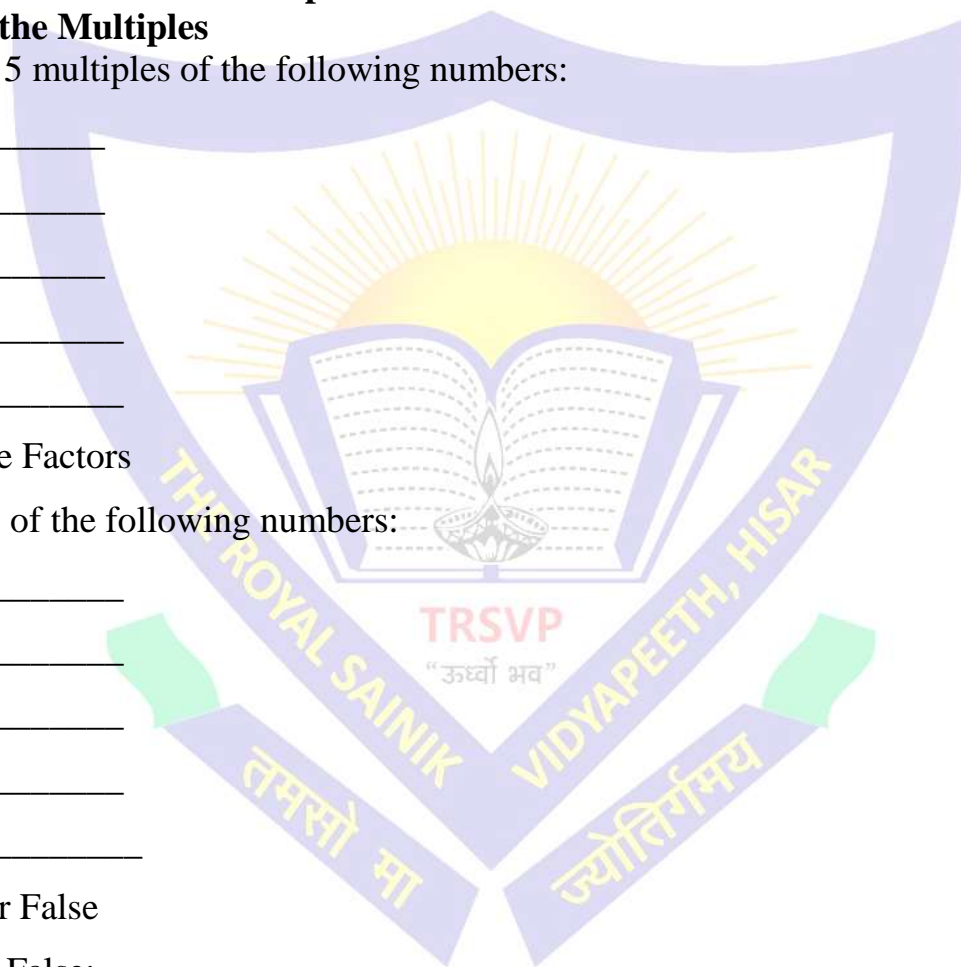
13. 9 is a factor of 81 – True / False

14. 10 is a multiple of 3 – True / False

15. 12 is a factor of 60 – True / False

Part D: Challenge Questions

16. What is the lowest common multiple (LCM) of 6 and 8?



17. What is the highest common factor (HCF) of 18 and 27?
18. Find two numbers between 10 and 50 that have exactly 3 factors.
19. Name a number that is a common multiple of 4 and 5.
20. List the prime factors of 36.

Mental Maths Worksheet – Number System

Instructions: Solve the following questions mentally. Do not use calculators. Section A:

Place Value and Number Types

1. What is the place value of 7 in 4,739?
2. Write the smallest 4-digit number using digits 3, 0, 4, 2 (no repetition).
3. Is 973 an even or odd number?
4. What is the Roman numeral for 49?
5. Round 5,678 to the nearest hundred. Section B:

Quick Calculations

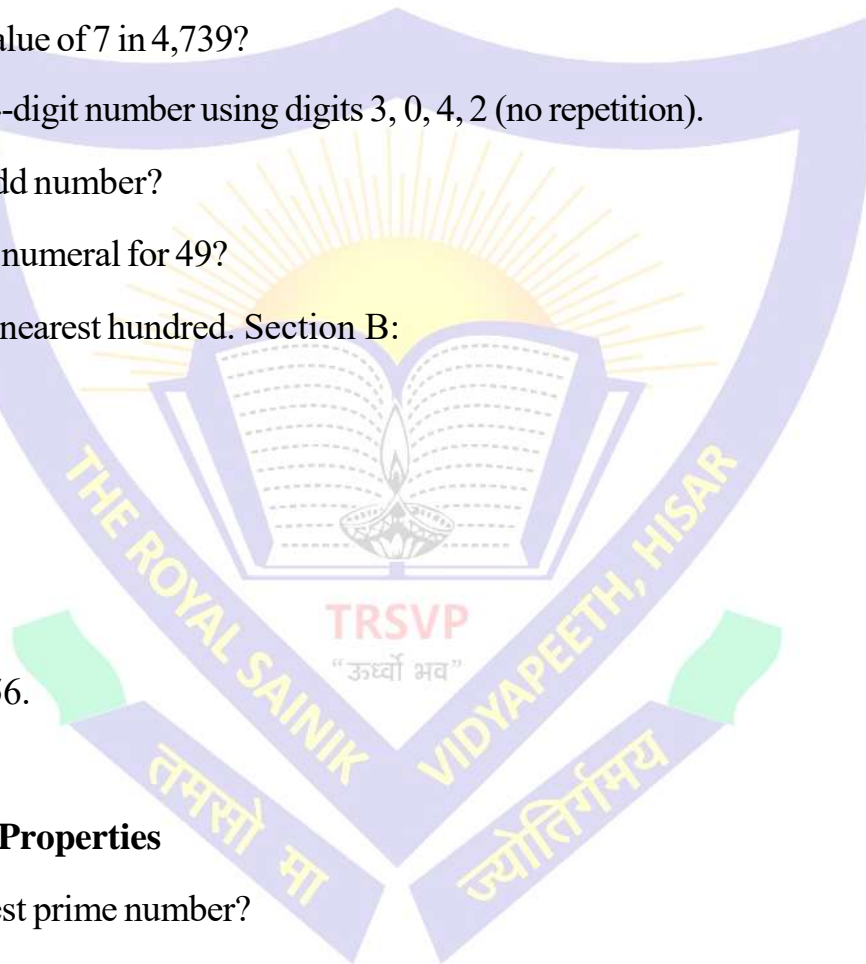
6. What is 9×8 ?
7. Divide 144 by 12.
8. Add $399 + 401$.
9. Subtract $1,000 - 456$.
10. Multiply 25×4 .

Section C: Number Properties

11. What is the smallest prime number?
12. Is 121 a square number?
13. Find the HCF of 18 and 24.
14. What is the next odd number after 77?
15. Which number is both a square and a cube between 1 and 1000? Section D:

Fill in the Blanks

16. _____ is a factor of every number.
17. The sum of the digits of 729 is _____.



18. The product of any number and 0 is _____.

19. The opposite of +15 is _____.

20. 10 more than 899 is _____.

**Mental Maths Worksheet – Square Root C Cube Root
Square Numbers and Square Roots**

1. What is the square of 5?

2. $\sqrt{36} = ?$

3. What number squared gives 81?

4. What is the square of 9?

5. $\sqrt{49} = ?$

Section B: Cube Numbers and Cube Roots

6. What is the cube of 2?

7. $\sqrt[3]{64} = ?$

8. What is the cube of 3?

9. What number cubed gives 27?

10. $\sqrt[3]{125} = ?$

Section C: Fill in the Blanks

11. The square root of 100 is ____.

12. The cube of 4 is ____.

13. $\sqrt{16} = \underline{\hspace{1cm}}$

14. $\sqrt[3]{8} = \underline{\hspace{1cm}}$

15. Square of 11 is ____

Section D: True or False

16. $\sqrt{81} = 8$

17. Cube of 5 is 125

18. $\sqrt[3]{64} = 3$

19. $\sqrt{121} = 11$

20. Cube of 10 is 100

