



HES , Sharad Vihar

Subject: MATHEMATICS

Name:

Summer Holidays Assignment

Class: VI

HAPPY HOLIDAYS ARE HERE AGAIN!!!



WE ARE NOT ABLE TO MOVE OUT AND GO TO SCHOOL, CANNOT MEET OUR RELATIVES, COUSIN BROTHERS & SISTERS, CANNOT SEE OUR FRIENDS.....WE ARE NOT ABLE TO RUN AROUND FREELY.....NOT ABLE TO PLAY AMIDST THE GREEN NATURE.....AS THE TIME IS NOT RIGHT AND SAFE

FOR US. AND EVERYTHING IS SO ..VIRTUAL....

NEVER MIND.....LET US ENGAGE OURSELVES WITH SOME INTERESTING WORK WITHIN THE SAFETY OF HOME AND SPEND OUR TIME JOYFULLY....



STAY SAFE & HEALTHY

Note:

INSTRUCTION:

- 1) *To avoid errors, recheck your solutions one more time.*
- 2) *Do the homework in the handbook register.*

TASK 1

Self-Assessment (40 marks)

Time: 1 hour 15 minutes

Attempt the following test in the given time limit and correct it on your own using the answer key given at the end. Evaluate your score.

Q1. Insert commas at appropriate places and write their number names according to Indian numeration system. **(6 x 1 =6 marks)**

	Indian system	Number names
(a) 1900218		
(b) 50500401		

Q2. Write the place value and face value of the underlined digits: (2 marks)

- (a) 8,76,139
(b) 18,46,976

Q3. Answer the following questions: (2 marks)

- (a) What comes just after 2779999?
(b) What comes just before 1110000?

Q4. The estimated difference of 83,209 and 2,489 by rounding off to the nearest hundred is _____. (2 marks)

Q5. Arrange the following numbers in descending order: (2x2=4marks)

- (a) 12098, 12980, 12890, 12089
(b) 2008909, 299088, 2000899, 298099

Q6. Write the numeral and expanded form for the following number names: (2x 2=4 marks)

- (a) Two crore two lakh two thousand two hundred two
(b) Ten crore twenty thousand eight

Q7. Solve the following: (4 marks)

- a) $5 \times (5 - 3)$
b) $20 \times (40 - 32)$
c) $(11 + 20) \times (31 + 30)$
d) $2 \times (1 + 3) \times (10 + 12) \times (8 + 6)$

Q8. Estimate the following products (by general rule): (5x2=10marks)

- a) 271×362
b) 5271×3411
c) 32×488
d) 1234×45
e) 267×78918

Q9. The population of a town was 9, 75,689. In the first year it increased by 4563 and in the second year it decreased by 8,976. What was the population of the town at the end of second year? **(3 marks)**

Q10. The number of sheets of paper available for making notebooks is 75,000. Each sheet makes 8 pages of a notebook. Each notebook contains 200 pages. How many notebooks can be made from the paper available? **(3 marks)**

TASK 2

Online Practice



HELLO Friends!

Let's take out some time to practice and have fun with multiplication and division. Open these links to play the quizzes. Copy the link and paste it in the address bar of your browser.

- 1) <https://in.ixl.com/math/class-vi/multiply-whole-numbers> for multiplication
- 2) <https://in.ixl.com/math/class-vi/multiply-numbers-ending-in-zeroes> for multiplying numbers ending with zeros.
- 3) <https://in.ixl.com/math/class-v/divide-by-one-digit-numbers> for division by one digit divisor.
- 4) <https://in.ixl.com/math/class-vi/divide-whole-numbers-two-digit-divisors> for division by 2 digit divisor
- 5) <https://in.ixl.com/math/class-v/divide-numbers-ending-in-zeroes> for dividing numbers ending with zeros.

TASK 3

Deep Thinking

1. I am a three-digit number. My tens digit is five more than my ones digit. My hundreds digit is eight less than my tens digit. What number am I?

*Solve these and try
to make two more
puzzles*

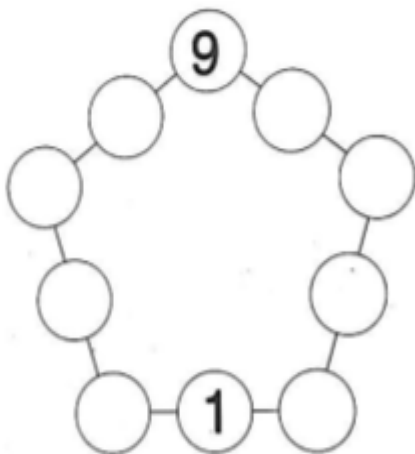


2. Using the digits 6, 4, 3 and 2 form a number which when rounded to the nearest hundred, gives 3200.

TASK 4

Subject Enrichment Task (10 marks)

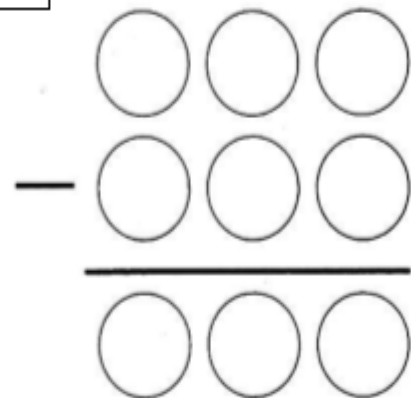
Puzzle 1



Use each of the numbers from 1 to 10.
Write one number in every circle.
The sum of the numbers on each side of the pentagon
must add up to 19.

1 2 3 4 5 6 7 8 9 10

Puzzle 2



Use each of the digits 1 to 9.
Write one digit in each circle to make the subtraction correct.
Can you find different ways of doing it?

1 2 3 4 5 6 7 8 9




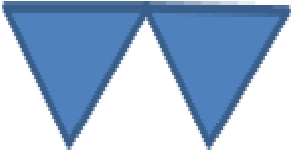




Revisiting FRACTIONS

Q1. Fill in the blanks.

(i) $\frac{2}{3}$ of 42 = _____

(ii) $\frac{3}{4}$ of a year = _____ months

Q2. Choose the correct whole for the given part (you may write the correct option/alphabet in your register):

i) one-half 		
(a) 	(b) 	(c) 
ii) two – seventh 		
a) 	b) 	c) 

Q3. Find four equivalent fractions of $\frac{3}{5}$.

Q4. Convert the fractions

a. Improper fractions into mixed fractions. $\frac{23}{3}$

b. Mixed fractions into improper fraction. $6\frac{2}{3}$

Q5. Reduce the fractions into lowest/simplest form. (a) $\frac{50}{80}$ (b) $\frac{18}{90}$

Q6. Imara baked 27 puff pastries. She could sell $\frac{2}{3}$ of it. How many puff pastries were left to sell?

Q7. Draw a figure to represent the given improper and mixed fractions and check whether they are equal or not. Write E if they are equal and NE if they are not equal.

$$\frac{15}{4} \text{ and } 3\frac{2}{4}$$

Q8. NCERT Textbook Task:

- ☐ Do TRY THESE from NCERT page no. 138
- ☐ Do Q1 & Q2 of exercise 7.1 page number 135.

ANSWER KEY FOR TASK 1

Q1.

	Indian system	Number names
(a) 1900218	19,00,218	Nineteen lakhs two hundred and eighteen
(b) 50500401	5,05,00,401	Five crore five lakh four hundred and one
(c) 206008010	20,60,08,010	Twenty crore sixty lakh eight thousand and ten

Q2.

Number	Place value	Face value
(a) 8,7 <u>6</u> ,139	6,000	6
(b) 1 <u>8</u> ,46,976	8,00,000	8

Q3. (a) 27,80,000 (b) 11,09,999

Q4. 83209 (on estimating at hundreds place) = 83200

2489 (on estimating at hundreds place) = 2500

Difference = 83200 – 2500 = 80,700

Q5. (a) 12980, 12890, 12098, 12089

(b) 2008909, 2000899, 299088, 298099

Q6. (a) 2,02,02,202

(b) 10,00,20,008

Q7. (a) 10 (b) 160 (c) 1891 (d) 2464

Q8. a) $271 \times 362 = 300 \times 400 = 1,20,000$

b) $5271 \times 3411 = 5000 \times 3000 = 1,50,00,000$

c) $32 \times 488 = 30 \times 500 = 15,000$

d) $1234 \times 3411 = 1000 \times 3000 = 30,00,000$

e) $267 \times 78919 = 300 \times 80,000 = 2,40,00,000$

Q9. Initial population = $9,75,689$

Increase in population in the first year = 4563

Decrease in population in the second year = 8976

Population after the second year = $9,75,689 + 4563 - 8976$
 $= 9,71,276$

Therefore, the population after the second year is $9,71,276$.

Q10. No. of pages made by one sheet = 8 pages

No. of sheets available = $75,000$

Total no. of pages that can be made using 75000 sheets = 75000×8
 $= 6,00,000$ pages

200 pages make 1 notebook

No. of notebooks that can be made by $6,00,000$ pages = $6,00,000 \div 200$
 $= 3000$ notebooks

Therefore, 3000 notebooks can be made using 75000 sheets.