THE CIVIL SERVICES SCHOOL

Sanskriti School

Learning Ladder

MATHEMATICS

CLASS - IV

2021-2022

Date : _____ Name : _____

The Learning Ladder: Class IV

Topic: Large Numbers

Question

Q.1 Fill in the blanks

a) Name the places in the ones period _____, _____, _____

b) The places in the thousands period are _____ and _____

c) One lakh and ten lakh are in _____period

Q.2 Write the numerals for the following and mark the period in the Indian system

a) One thousand seventy _____

b) Two thousand seven hundred fifty nine: _____

c) Four thousand one hundred: _____

d) Eight thousand seven: _____

Rough


I can write numerals after marking periods

Q.3 Write the number names for the following after making the period.

a) 8765: _____

_____

b) 2409: _____

_____

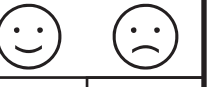
c) 1000032 _____

_____

d) 2479816 _____


I can write the number names

Date : _____ Name : _____

Q.4 Write the numerals for a) Seven million, two hundred twenty five thousand, four hundred thirty eight _____ b) Three million, seventy thousand twenty five _____ c) Nine million, two hundred five thousand, one hundred ten _____ d) Three million, eight hundred thousand, five hundred ninety_____	**Rough** 
I can write the numerals	
Q.5 Write the number names for the following after making the period in the International Number system a) 73275531_____ _____ b) 84209541_____ _____ c) 60842590_____ _____	
I can write the number names	
Q.6 Write the expanded form of the following: a) 4112 _____ _____ _____ b) 30506 _____ _____ _____ c) 94793 _____ _____ _____	
I can write in expanded form	

Date : _____ Name : _____

Q.7 Write the short form:	**Rough**
a) 1000 + 200 + 20 + 7 = _____	
b) 1000 + 400 + 7 = _____	
c) 2000 + 700 + 80 = _____	
d) 3000 + 800 + 80 + 8 = _____	
I can write Short form	

Q.8 Compare the following numbers:	
a) 2424_____ 4242	
b) 3991_____ 3990	
c) 1700 _____ 1707	
d) 899 _____ 6889	
I can compare numbers	

Q.9 Write the number before and after:	
a) _____ 3145 _____	
b) _____ 8097 _____	
c) _____ 111 _____	
d) _____ 6549 _____	
I can write the number before & after	

Date : _____ Name : _____

Q.10 Form the largest number using each digit only one: a) 4,3,2,9 _____ b) 5,0,6,8 _____ c) 1,9,0,7 _____	**Rough** 
I can form the largest number	
Q.11 Write the smallest number using each digit only one: a) 3,2,4,1: _____ b) 9,8,6,8: _____	
I can form the smallest number	
Q.12 Write the place value of each underlined digit: a) 7 4 9 <u>8</u> 0 6 <u>3</u> _____ _____ _____ b) <u>6</u> 4 2 0 <u>6</u> 3 _____ _____ _____	

Date : _____ Name : _____

c) 1 4 3 2 0 7

Rough

_____

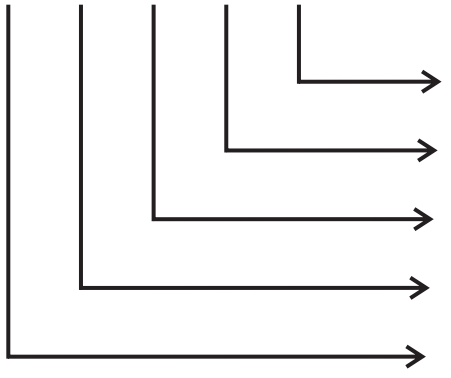
_____

_____

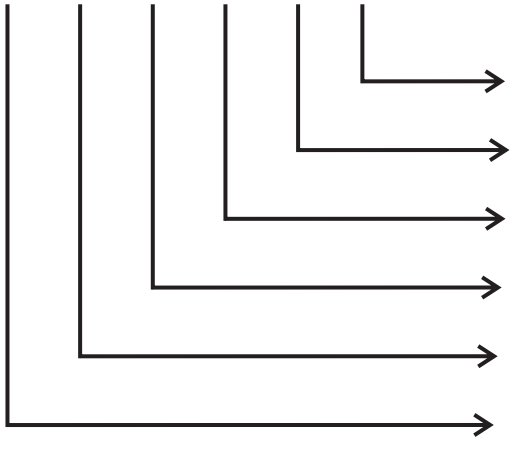
I can write the Place Value of digits

Q.13 Find the place value of each digit

a) 8 3 4 6 3



b) 1 5 8 3 4 7



I can find the Place Value of each digit

Date : _____ Name : _____

Q.14 Write the place, period and place value of the underlined digit.

Rough

Number	Place	Place value	Period
6 3 <u>8</u> 4 6			
7 <u>3</u> 4 6 2 1 7			
4 8 7 1 3 <u>4</u>			
9 5 <u>6</u> 3 4 0 0			
<u>6</u> 3 1 4 7			
1 4 6 <u>3</u> 1 4 9 6			

I can write the place, place value and period of an underlined digit

Q.15 Find the sum of the place value of 7 in 97, 46, 005 and 9 in 46 , 39 , 204

Date : _____ Name : _____

Q.16 Find the difference of the place value of 6 in 6,00, 403 and 5 in 43, 05, 481

Rough

I can find the difference and sum of the place value of mumbers.

Date : _____ Name : _____

The Learning Ladder: Class 4

Topic : Addition

Rough

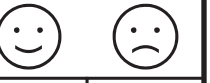
Q.1 Add the following :

a)
$$\begin{array}{r} 300 \\ 200 \\ +\,100 \\ \hline \\ \hline \end{array}$$

b)
$$\begin{array}{r} 402 \\ 386 \\ +\;\;11 \\ \hline \\ \hline \end{array}$$

c)
$$\begin{array}{r} 563 \\ 226 \\ +\,117 \\ \hline \\ \hline \end{array}$$

d)
$$\begin{array}{r} 1088 \\ +\;\;927 \\ \hline \\ \hline \end{array}$$



I can add numbers

Date : _____ Name : _____

Q.2 Add the following :

Rough

a) Add horizontally :

i) 10,000 + 800 + 50 = _____

i) 7,000 + 333 + 15 = _____

iii) 19,000 + 500 + 75 = _____

iv) 20,000 + 9000 + 777 = _____

v) 6000 + 600 + 60 + 6 _____

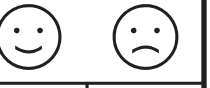
b) Add by arranging in columns:
i) 4,250 + 891 + 66


I can add numbers horizontally
I can arrange and add numbers

Date : _____ Name : _____

ii) 16,532 + 901 + 74 + 3	**Rough**
iii) 55,006 + 8,223 + 205 + 14	

Date : _____ Name : _____

iv) 3,06,776 + 9154 + 543	**Rough**
v) 8,50,072 + 76,140 + 552	
I can arrange large numbers and add.	

Date : _____ Name : _____

The Learning Ladder: Class 4

Topic : Subtraction

Q1. Subtract :

a) 10,000 - 600 =

b) 10,000 - 5,000 =

c) 7,777 - 777 =

d) 40,500 - 20,500 =

e) 10,00,000 - 15,000 =

Rough

In can subtract large numbers horizontally

Q2. Arrange in columns and subtract:

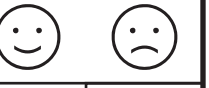
a) 8,274 - 2,160

Date : _____ Name : _____

b) 49,200 - 16,500

Rough

c) 39,821 - 15,607



I can arrange and subtract large numbers

Date : _____ Name : _____

Q3. Subtract 5,621 from 10,000	**Rough**
Q4. Subtract 21,743 from 25,000	

Date : _____ Name : _____

Q5. Step Questions :

Rough

(a) Add 4,021 to the difference between 22,897 and 20,005

Step: 1

Step: 2

(b) Subtract 6,343 from the sum of 9,041 and 5,333

Step: 1

Step: 2

Date : _____ Name : _____

Topic : Story Sums from Addition and Subtraction

Q1. Radha got 5,625 Chocolates to distribute to children in her school. She could distribute only 4,977 Chocolates. How many Chocolates are left with her?

Rough

Date : _____ Name : _____

Q2. Sandeep went to the market to buy groceries and bought 500 Kgs of rice, 175 Kgs of sugar, 223 Kgs of dal (lentils). What is the total quantity of groceries in Kgs that he bought ?

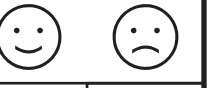
Rough

My learning check list:		
● I can add horizontally		
● I can add in columns		
● I can subtract horizontally		
● I can subtract in columns		
● I can carry over and borrow		
● I can do "step wise" questions		
● I can write Statements in Story Sums		
● I can identify the operation to be used		

Date : _____ Name : _____

The Learning Ladder: Class 4

Topic: Multiplication

Q1. Multiply the following a) 316×5	**Rough**
b) 8362×4	
c) 5326×9	
I can multiply with a single digit	

Date : _____ Name : _____

Q2. Multiply the following

Rough

a) 596×23

b) 8632×49

I can multiply with two digits

Date : _____ Name : _____

Q3. Multiply the following horizontally:-

Rough

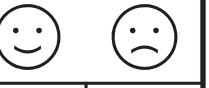
a) $632 \times 7 =$ _____

b) $4326 \times 9 =$ _____

c) $8360 \times 8 =$ _____

d) $532 \times 4 =$ _____

Q4. A garden has 5 rows of apple trees. Each row has 26 trees in it How many apple tree are there in the garden?



I can multiply horizontally
I can solve statement sums

Date : _____ Name : _____

a) 1437 × 693	**Rough**
b) 7860 × 567	
I can multiply with 3 digits	 

Date : _____ Name : _____

The learning Ladder: Class 4

Topic: Division

Rough

Q1. Division by single digit:

a) Divide 643 by 2

b) Divide 798 by 3


I can divide by a single digit

Date : _____ Name : _____

Q2. Divide and check:

Rough

a) $9246 \div 4$

I can divide and check to see if my sum is correct

Date : _____ Name : _____

Q3. Divide the following:

Rough

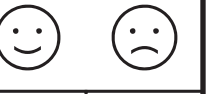
a) $4202 \div 12$

b) $987 \div 33$

Date : _____ Name : _____

c) $7942 \div 24$

Rough



I can divide by 2 digits

Date : _____ Name : _____

The Learning Ladder: Class 4

Topic: Factors and Multiples

Rough

Q.1 Write the 7th Multiple of :

a) 6 =

b) 12 =

c) 27 =

d) 35 =

e) 100 =

Q.2 Write the 1st five Multiples of the following:

a) 3 =

b) 13 =

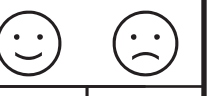
c) 43 =

d) 200 =

Q3. Fill the blanks :

a) 3 even multiples of 7 are ____, ____, ____

b) 3 odd multiples of 9 are ____, ____, ____



My Learning Check list :

- I know the 1st multiple of every number
- I know how to find the multiples of given Numbers
- I know odd and even multiples.

Date : _____ Name : _____

Topic: Test of Divisibility

From the numbers 'given below, write the numbers divisible by:

325, 182, 288, 400, 72, 810, 681, 819, 6050, 155, 39

Rough

Divisible by:

2 → _____

3 → _____

4 → _____

5 → _____

6 → _____

9 → _____

10 → _____

My Learning Check list :

I understand the rules of divisibility of

2	3	4	5	6	9	10

Tick the Numbers for whom you Know Test of Divisibility!

Date : _____ Name : _____

Topic : Checking for Multiples

Q1. Check if the bigger number is a multiple of the smaller number

Rough

a) 506, 32

b) 115, 5


My Learning Check list:

I know how to check if one no. is a multiple of the other number.

Date : _____ Name : _____

Topic : Factor : Finding factor

Rough

Q.1 Find the factors of the following numbers:

a) 32 : _____

b) 65 : _____

My Learning check list:

I can find the factor of a given number

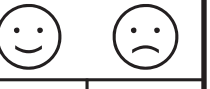
Date : _____ Name : _____

Topic : Highest Common Factor

Q.1 Find the HCF of: 24 and 242

Rough

Q.2 Find the HCF of : 36 and 39



My Learnig check list :

I can find the HCF of 2 given no. using the factor method.

Date : _____ Name : _____

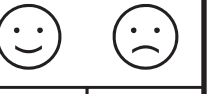
Topic : Checking for Factors

Q.1 Check if the smaller number is a factor of the bigger number.

Rough

a) 3244, 24

b) 6339, 3



My Learning Check list :

I can check if the smaller number is a factor of the bigger number

Date : _____ Name : _____

Topic : Prime and Composite Numbers

Q.1 Write down prime numbers between 10 to 30 :-

_____

_____

Q.2 Write the composite numbers between 10 to 40 :-

_____

_____

_____

Q3 Fill in the blanks :-

a) Smallest prime number = _____

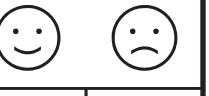
b) Smallest odd composite number = _____

c) Two consecutive prime numbers = _____

d) Largest prime number less than 50 = _____

e) Largest composite number less than 10 = _____

Rough



My Learning Check list:

I have understood prime numbers
I have understood composite numbers

Date : _____ Name : _____

Topic : Prime Factorization using factor Tree Method

Q.1 Find the Prime Factorization of the following using the Factor Tree Method :

Rough

a) 65

b) 100

c) 120


My Learning Check list :

I have understood the Factor Tree Method

Date : _____ Name : _____

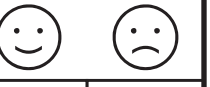
Topic : Least Common Multiple (LCM)

Q.1 Find out the LCM of the following numbers using Division Method :

a) LCM of 14 and 24

b) LCM of 15,25 and 40

Rough



My Learning Check list :

I can find out he LCM of numbers using the Division Method.

Date : _____ Name : _____

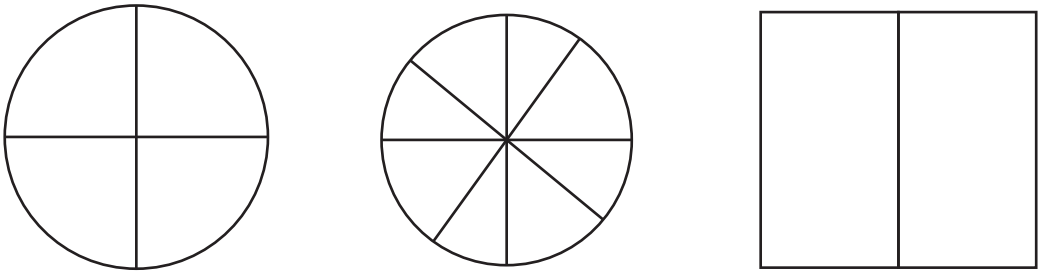
The Learning Ladder: Class 4

Topic - Fractions

Q.1 Shade the following fractions:-

Rough

$\frac{1}{4}$ $\frac{5}{8}$ $\frac{1}{2}$



I can shade the correct fraction.

Q.2 Draw and Shade the following fractions

$\frac{3}{6}$ =

$\frac{8}{9}$ =

$\frac{4}{8}$ =

I can draw the corresponding fraction

Date : _____ Name : _____

Q.3 Write in fraction form:

a) Three sevenths = _____

b) Thirteen hundredths = _____

c) Five elevenths = _____

Rough

Q.4 Fill in the blanks

a) A fraction that has value less than 1 whole is called a _____ fraction

b) Fractions having value greater than 1 whole are _____ fractions.

c) In a fraction if
N > D it is a _____ fraction
N < D it is a _____ fraction

d) A numeral which is combination of a whole number and proper fraction is called a _____ number.


I understand fractions		

Q.5 Write the first 5 equivalent fraction of the following:

a) $\frac{1}{9}$ = _____ _____ _____ _____ _____

b) $\frac{4}{5}$ = _____ _____ _____ _____ _____

c) $\frac{10}{13}$ = _____ _____ _____ _____ _____


I can find equivalent fractions		

Date : _____ Name : _____

Q.6 Fill in the missing numerator or denominator in these equivalent fractions

Rough

a) $\frac{\square}{3} = \frac{6}{9}$

b) $\frac{2}{\square} = \frac{10}{15}$

c) $\frac{4}{5} = \frac{\square}{20}$

d) $\frac{7}{\square} = \frac{77}{121}$

e) $\frac{\square}{7} = \frac{2}{14}$

f) $\frac{15}{20} = \frac{\square}{100}$

g) $\frac{\square}{8} = \frac{36}{48}$

h) $\frac{9}{15} = \frac{36}{\square}$

I can find the missing number

Date : _____ Name : _____

Q.7 Reduce the fraction to their lowest form

Rough

a) $\frac{15}{35}$ = _____ b) $\frac{49}{63}$ = _____ =

c) $\frac{24}{60}$ = _____ d) $\frac{12}{18}$ = _____ =

I can reduce the fraction to the lowest form

Q.8 Circle the proper fractions

a) $\frac{1}{4}$ $\frac{5}{5}$ $\frac{4}{9}$ $\frac{11}{8}$ $\frac{7}{2}$ $\frac{9}{10}$

b) Circle the improper fractions

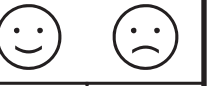
$\frac{3}{2}$ $\frac{4}{4}$ $\frac{0}{5}$ $\frac{12}{7}$ $\frac{5}{7}$ $\frac{9}{5}$

c) Circle the mixed fractions

$\frac{15}{7}$ $1\frac{3}{5}$ $\frac{4}{7}$ $6\frac{3}{8}$ $1\frac{7}{8}$ $\frac{5}{5}$

d) Circle the unit fraction

$\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{1}{7}$ $\frac{9}{7}$ $\frac{16}{9}$ $\frac{1}{20}$ $\frac{5}{1}$



I can identify proper, improper, mixed and unit fractions

Date : _____ Name : _____

Q.9 Change the improper fractions into mixed numbers.

Rough

a) $\frac{15}{7}$ =

b) $\frac{26}{3}$ =

c) $\frac{18}{5}$ =

d) $\frac{35}{6}$ =

e) $\frac{73}{9}$ =

I can change the improper fractions into mixed fraction.

Date : _____ Name : _____

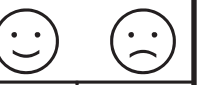
Q10 Change the mixed number into improper fraction

Rough

a) $3\frac{7}{9}$ = _____ b) $10\frac{4}{7}$ = _____

c) $11\frac{1}{9}$ = _____ d) $5\frac{9}{11}$ = _____

e) $12\frac{1}{8}$ = _____

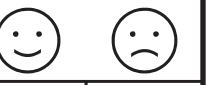


I can convert mixed fraction into improper fractions

Q11 Write the fraction as a division sum

a) $\frac{16}{8}$ = b) $\frac{12}{4}$ =

c) $\frac{3}{8}$ = d) $\frac{5}{9}$ =



I can write the fraction as a division sum

Q12 Write the division sum as fraction

a) $12 \div 5$ = _____ b) $9 \div 7$ = _____

c) $6 \div 13$ = _____ d) $100 \div 49$ = _____

I can write the division sum as a fraction

Date : _____ Name : _____

Q13 Compare mentally and use the appropriate symbol >, < or =

Rough

a) $\frac{17}{8}$ ☐ $\frac{19}{8}$

b) $\frac{15}{17}$ ☐ $\frac{13}{17}$

c) $\frac{16}{7}$ ☐ $\frac{13}{7}$

d) $\frac{5}{9}$ ☐ $\frac{11}{9}$

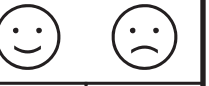
I can compare mentally

Q14 Add and subtract the following

a) $\frac{7}{9} + \frac{4}{9} + \frac{3}{9} =$ _____

b) $\frac{6}{11} + 1\frac{5}{11} + \frac{2}{11} =$ _____

c) $1\frac{7}{13} - \frac{5}{13} =$ _____



I can add and subtract like fractions