



STEPPING STONE
SCHOOL (HIGH)

CLASS: V

Subject: Mathematics

Date:10/06/2020

Topic: Mental Maths

Time Limit: 30 Mins

Worksheet No. 7

Q1) Fill in the blank boxes :

- Find the prime factors of 133 ----
- Write the prime numbers between 42 and 50 -----
- Write the Roman numeral for 49 -----
- Find the value of $2 \times 2 \times 11 \times 11$ -----
- Put $<$ or $>$: $- 6 + 4$ ----- $6 - 9$
- Write the Hindu - Arabic numeral for XLII-----
- How many tablets out of 10000 are left after filing 20 tablets each in 40 bottles?-----
- How many units are there in 7 gross? -----
- Write 2 million in figures-----
- What is $\frac{1}{5}$ of 225?-----

Q2) Fill in the blank boxes:-

- Write 3 prime numbers ending in 9, between 50 and 100----- ,----- ,-----
- Factors of 125 = -----
- $\div 5 = 950$
- What is the reciprocal of $\frac{9}{2}$? -----
- Convert $\frac{31}{9}$ into a mixed number.-----
- Put $<$ or $>$: XXIX ----- XXXIX
- Fill in the empty box so that the quotient is a whole number. 59 ---- $7 \div 3$
- How many grams are there in $5 \frac{1}{4}$ kg?-----
- Write $\frac{5}{12}$ in words:-----
- $10 + (27 \div 9) + 6 =$ -----

Children please follow the hints given below to solve the numericals:-

Q1) Fill in the blank boxes:-

a)

To find the factors,

we do Prime factorization of 1729

$$\begin{array}{r|l} 7 & 1729 \\ 13 & 247 \\ 19 & 19 \\ \hline & 1 \end{array}$$

$$1729 = 7 \times 13 \times 19$$

So, factors are 7, 13, 19

Rough

Here, 1729 is not divisible by 2, 3, 5.

So, we try with 7

Here, 247 is not divisible by 7 or 11.

So, we try with 13.

19 is a prime number

So, we divide it by 19

b) Go through the set of prime numbers in worksheet 3 and fill up the box.

c) First find out Roman numeral of 40 and add 9 in Roman numeral to it.

d) This also can be done by you

e) The negative integer is always less than the positive integer.

f) This can be done by you.

g) First find out the total number of tablets by multiplying 20 and 40 and then subtract 1000 from it.

h) 1 gross = 12 dozen or 144 ; therefore 5 gross = $5 \times 144 = 720$

i) This can be done by you

j) Example, $1/5$ of 115 = $115/5 = 23$

Q2) Fill in the blank boxes:-

a. Go through the set of prime numbers given in worksheet No. 3 and then fill up the boxes

- b. Example factors of 135 = 1, 3, 5, 9, 15, 27, 45, 135
- c. Example $270 \div 3 = 90$; multiply $3 \times 90 = 270$; $\underline{270} \div 3 = 90$
- d. Example reciprocal of $7/3 = 3/7$
- e. Example to convert $25/3$ into a mixed number $25 \div 3 = 8 \frac{1}{3}$
- f. You can try this on your own.
- g. Add up the digits till you get a sum which is divisible by 3
- h. Example $3 \frac{1}{4}$ kg ---- g ; $1\text{kg} = 1000\text{g}$; $3 \frac{1}{4} = 13/4 \times 100 = 13 \times 25 = 325$
- i. Example, $7/12 =$ seven twelfths
- j. Use BODMAS Rule (B= Bracket, O= Of, D= Division, M= Multiplication, A= Addition
S= Subtraction)