



INDIAN SCHOOL DARSAIT  
TERM I- SEPTEMBER 2017  
HALF YEARLY EXAMINATION  
MATHEMATICS



Class: V  
Date: 24.09.2017  
Name: .....

Max.Marks:50  
Time: 2hrs  
Roll No:.....

General Instructions

1. All the questions are compulsory
2. Answer all questions in a separate paper

Q.I Fill in the blanks.

(1 × 8 = 8)

- a) Place value of the digit '6' in 3, 67, 103 is \_\_\_\_\_
- b) Standard form of  $50,00,000 + 50,000 + 50$  is \_\_\_\_\_
- c) A number is divisible by 6, if it is divisible by 2 and \_\_\_\_\_
- d) The prime numbers between 30 and 40 are 31 and \_\_\_\_\_
- e)  $1 \times \frac{3}{5} =$  \_\_\_\_\_
- f)  $111 \times 600 =$  \_\_\_\_\_
- g) Mixed number for the fraction  $\frac{11}{6}$  is \_\_\_\_\_
- h) HCF of 5 and 7 is \_\_\_\_\_

Q.II Choose the correct option.

(1 × 7 = 7)

- a)  $20 \times$  \_\_\_\_\_ = 8000  
i) 40      ii) 4000      iii) 400      iv) 4
- b) Compare: 20,02,200 \_\_\_\_\_ 20,20,200  
i) >      ii) <      iii) =      iv) None of these
- c) Of the given numbers, the number that is divisible by both 5 and 10 is \_\_\_\_\_  
i) 305      ii) 3005      iii) 3500      iv) 355
- d) Prime factorization of 24 is  
i)  $2 \times 12$       ii)  $2 \times 3 \times 4$       iii)  $2 \times 2 \times 6$       iv)  $2 \times 2 \times 2 \times 3$
- e)  $6 \div \frac{3}{2} =$  \_\_\_\_\_  
i) 9      ii) 4      iii) 18      iv) 16
- f) Lowest terms for the fraction  $\frac{12}{18}$  is \_\_\_\_\_  
i)  $\frac{3}{2}$       ii)  $\frac{2}{3}$       iii)  $\frac{6}{9}$       iv)  $\frac{2}{9}$
- g) The sum of first 3 multiples of 7 is \_\_\_\_\_  
i) 8      ii) 21      iii) 42      iv) 11

Q.III Do as directed.

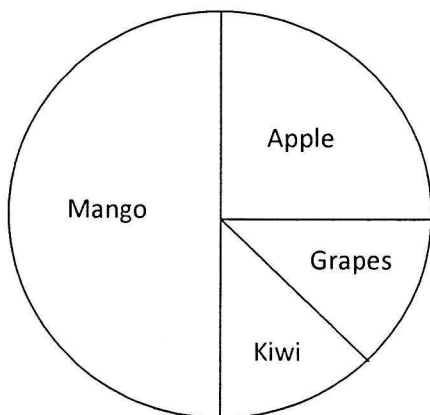
(2 × 10 = 20)

- a) Build the smallest and greatest 7-digit number using the digits 3, 7, 1, 0, 5
- b) Find the common factors of 10 and 15.
- c) Check if 772 is divisible by 4 using divisibility rule.
- d) Find the LCM of 4 and 6 by listing method.
- e) Multiply:  $9 \times 3 \frac{1}{3}$
- f) Are  $\frac{9}{20}$  and  $\frac{8}{15}$  equivalent? (Show your working)
- g) Multiply:  $264 \times 23$
- h) Subtract:  $\frac{5}{6} - \frac{3}{4}$
- i) Write the prime factorisation of 56 using division method.
- j) Reduce the following fractions into their lowest term: i)  $\frac{12}{20}$  ii)  $\frac{25}{35}$

Q. IV Solve.

(3 × 5 = 15)

- a) Find HCF and LCM of 24, 30.
- b) Divide :  $\frac{21}{28} \div \frac{3}{4}$
- c) A book has 235 pages. If 405 copies of the books were printed, how many pages in all were printed ?
- d) Maya has a red ribbon of length  $5 \frac{2}{3}$  m and a green ribbon of length  $2 \frac{1}{3}$  m. What is the total length of the two ribbons?
- e) 80 people were asked about their favourite fruit. The results are shown in the circle graph.



Answer the following questions:

1. How many people like Mango? \_\_\_\_\_
2. How many people like Apple? \_\_\_\_\_
3. How many more people like Apples than Kiwi? \_\_\_\_\_