

# Dr. Virendra Swarup Education Centre Shyam Nagar

Date : 28/08/18

Practice Sheet-4

Class: IV

Sub: Mathematics

Q1: Write the fraction in words: a)  $\frac{1}{9}$  b)  $\frac{3}{10}$  c)  $\frac{4}{7}$  d)  $\frac{5}{18}$  e)  $\frac{7}{12}$

Q2: Check the following fractions are equivalent or not: a)  $\frac{4}{12}$  and  $\frac{5}{15}$  b)  $\frac{3}{8}$  and  $\frac{6}{16}$  c)  $\frac{6}{7}$  and  $\frac{9}{11}$

Q3: Write an equivalent fraction of  $\frac{3}{4}$  with a) denominator 16 b) numerator 27 c) denominator 32

Q4: Fill in the correct numeral : a)  $\frac{8}{10} = \frac{\square}{5}$  b)  $\frac{1}{4} = \frac{\square}{12}$  c)  $\frac{5}{6} = \frac{20}{\square}$  d)  $\frac{45}{72} = \frac{\square}{8}$  e)  $\frac{15}{21} = \frac{5}{\square}$

Q5: Use >, < or = : a)  $\frac{5}{23}$   $\frac{20}{23}$  b)  $\frac{11}{12}$   $\frac{10}{12}$  c)  $\frac{6}{13}$   $\frac{11}{13}$  d)  $\frac{7}{10}$   $\frac{5}{10}$  e)  $\frac{23}{50}$   $\frac{17}{50}$

Q6: Convert improper fractions into mixed fraction: a)  $\frac{44}{5}$  b)  $\frac{80}{7}$  c)  $\frac{17}{2}$  d)  $\frac{8}{3}$  e)  $\frac{25}{6}$

Q7: Convert mixed fractions into improper fraction: a)  $4\frac{2}{5}$  b)  $3\frac{1}{8}$  c)  $9\frac{3}{7}$  d)  $4\frac{4}{9}$  e)  $2\frac{5}{9}$

Q8: Arrange in ascending and descending order : a)  $\frac{1}{13}, \frac{11}{13}, \frac{7}{13}, \frac{4}{13}, \frac{2}{13}, \frac{5}{13}$  b)  $\frac{5}{10}, \frac{9}{10}, \frac{7}{10}, \frac{4}{10}, \frac{1}{10}$

Q9: Solve the following sums : a)  $\frac{3}{8} + \frac{4}{8}$  b)  $\frac{2}{6} + \frac{1}{6}$  c)  $\frac{5}{21} + \frac{3}{21}$  d)  $\frac{6}{23} + \frac{11}{23} + \frac{3}{23}$  e)  $\frac{8}{12} + \frac{2}{12} + \frac{1}{12}$

f)  $\frac{12}{19}$  from  $\frac{15}{19}$  g)  $\frac{2}{15}$  from  $\frac{4}{15}$  h)  $\frac{57}{92}$  from  $\frac{87}{92}$  i)  $\frac{3}{15}$  from  $\frac{7}{15}$

Q10: Define the following : a) Chord b) Circumference c) Radius d) Diameter

Q11: Find the radius whose diameters are: a) 36 cm b) 48 cm c) 54 cm d) 24 cm

Q12: Find the diameter whose radius are : a) 16 cm b) 21 cm c) 12 cm d) 10 cm

Q13: Write the next four equivalent fractions for: a)  $\frac{4}{7}$  b)  $\frac{6}{10}$  c)  $\frac{3}{5}$  d)  $\frac{9}{11}$

Q14: Write an equivalent fraction of a)  $\frac{49}{56}$  with numerator 7 b)  $\frac{45}{72}$  with denominator 8

Q15: Circle the unit fractions. a)  $\frac{1}{7}$  b)  $\frac{3}{4}$  c)  $\frac{1}{6}$  d)  $\frac{9}{13}$  e)  $\frac{1}{100}$

Q16: Classify the fractions as proper or improper fractions: a)  $\frac{48}{51}$  b)  $\frac{18}{19}$  c)  $\frac{56}{9}$  d)  $\frac{3}{5}$  e)  $\frac{6}{9}$  f)  $\frac{15}{6}$

Q17: Find the HCF by the prime factorization method: a) 64 and 80 b) 40, 48 and 72 c) 480 and 720

Q18: Find the HCF by the division method: a) 84 and 105 b) 88 and 110 c) 420 and 360

Q19: Find the HCF by the factor tree method: a) 25 and 30 b) 16 and 48 c) 25, 40 and 60.