

Date : 4/09/19

Practice Sheet-4

Class: IV

Sub: Mathematics

Q1: Write an equivalent fraction of $\frac{3}{4}$ with a) denominator 16 b) numerator 27 c) denominator 32

Q2: Write an equivalent fraction of :

a) $\frac{18}{27}$ with denominator 3 b) $\frac{49}{56}$ with numerator 7 c) $\frac{45}{72}$ with denominator 8 d) $\frac{90}{100}$ with numerator 9

Q3: Write the next four equivalent fractions for: a) $\frac{5}{7}$ b) $\frac{6}{10}$ c) $\frac{2}{9}$ d) $\frac{9}{14}$

Q4: Check the following fractions are equivalent or not: a) $\frac{9}{12}$ and $\frac{7}{9}$ b) $\frac{3}{5}$ and $\frac{6}{7}$ c) $\frac{4}{7}$ and $\frac{8}{10}$ d) $\frac{7}{10}$ and $\frac{14}{20}$

Q5: Fill in the correct numeral : a) $\frac{8}{9} = \frac{\square}{36}$ b) $\frac{1}{4} = \frac{\square}{12}$ c) $\frac{5}{6} = \frac{20}{\square}$ d) $\frac{45}{72} = \frac{\square}{8}$ e) $\frac{15}{21} = \frac{5}{\square}$

Q6: Use >, < or = : a) $\frac{9}{23}$ $\frac{17}{23}$ b) $\frac{5}{12}$ $\frac{9}{12}$ c) $\frac{6}{13}$ $\frac{11}{13}$ d) $\frac{7}{10}$ $\frac{5}{10}$ e) $\frac{21}{50}$ $\frac{14}{50}$

Q7: Convert improper fractions into mixed fraction: a) $\frac{60}{13}$ b) $\frac{80}{7}$ c) $\frac{23}{18}$ d) $\frac{17}{3}$ e) $\frac{63}{8}$

Q8: Convert mixed fractions into improper fraction: a) $5\frac{2}{7}$ b) $2\frac{1}{5}$ c) $3\frac{3}{7}$ d) $7\frac{4}{6}$ e) $3\frac{5}{12}$

Q9: Arrange in ascending and descending order : a) $\frac{4}{15}$, $\frac{6}{15}$, $\frac{7}{15}$, $\frac{2}{15}$, $\frac{9}{15}$ b) $\frac{15}{20}$, $\frac{19}{20}$, $\frac{17}{20}$, $\frac{14}{20}$, $\frac{11}{20}$

Q10: Solve the following sums : a) $\frac{5}{13} + \frac{2}{13}$ b) $\frac{6}{17} + \frac{3}{17}$ c) $\frac{5}{21} + \frac{3}{21}$ d) $\frac{6}{23} + \frac{11}{23} + \frac{3}{23}$ e) $\frac{5}{12} + \frac{2}{12} + \frac{3}{12}$

Subtract : f) $\frac{12}{19}$ from $\frac{15}{19}$ g) $\frac{8}{15}$ from $\frac{13}{15}$ h) $\frac{57}{92}$ from $\frac{87}{92}$ i) $\frac{5}{32}$ from $\frac{17}{32}$

Q11: a) There was $\frac{23}{31}$ litres of water in a drum. $\frac{19}{31}$ litres of water was used. How much water was left?

b) Ananya used $\frac{6}{13}$ m of a ribbon and Sara used $\frac{3}{13}$ m. How much ribbon did they use altogether?

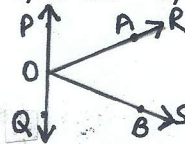
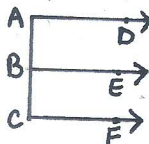
Q12: Reduce the fractions to the lowest term by finding their HCF a) $\frac{15}{18}$ b) $\frac{25}{35}$ c) $\frac{36}{40}$ d) $\frac{12}{18}$ e) $\frac{10}{35}$

Q13: Define the following : a) Chord b) Circumference c) Radius d) Diameter

Q14: Find the radius whose diameters are: a) 32 cm b) 50cm c) 16 cm d) 28 cm

Q15: Find the diameter whose radius are : a) 7 cm b) 11 cm c) 27 cm d) 19cm

Q16: Name the lines, line segment and rays in the following figures:



Q17: Find the product of : a) Successor and predecessor of greatest 3-digit number b) 415 by 212

c) 1,567 by 89 d) 3^{rd} multiple of 12 and 5^{th} multiple of 10 e) Greatest and smallest 3-digit number formed by the given digits 5, 1, 8

Q18: Divide : a) 308 by 22 b) 3348 by 15 c) 3432 by 26 d) 8,001 by 63 e) 50400 by 48

Q19: Find the HCF by the prime factorization method: a) 25 and 90 b) 18, 24 and 32 c) 64, 80 and 120

Q20: Find the HCF by the division method: a) 70 and 112 b) 85 and 125 c) 24, 45 and 57

Q21: Find the HCF by the factor tree method : a) 55, 66, 88 b) 20 and 50 c) 25, 45 and 90.