

WORK SHEET
SUBJECT- MATHS
Chapter 2- Fractions and Decimals

CLASS- VII

1. Choose the correct option (Multiple Choice Questions) :
 - (i) Which of the following is a proper fraction?
 (a) $\frac{9}{4}$ (b) $\frac{0}{0}$ (c) $\frac{3}{4}$ (d) $\frac{11}{4}$
 - (ii) Which of the following is an improper fraction?
 (a) $\frac{1}{5}$ (b) $\frac{0}{0}$ (c) $\frac{3}{5}$ (d) $\frac{13}{5}$
 - (iii) Which of the following is a mixed number/fraction?
 (a) 1 (b) $\frac{4}{3}$ (c) $1\frac{3}{4}$ (d) $1\frac{4}{3}$
 - (iv) $5 + \frac{1}{2} = ?$
 (a) $\frac{5}{2}$ (b) $2\frac{1}{2}$ (c) $5\frac{1}{2}$ (d) 10
 - (v) When $\frac{-5}{12}$ is divided by $\frac{-2}{3}$, the result is
 (a) $\frac{-15}{24}$ (b) $\frac{7}{36}$ (c) $\frac{5}{18}$ (d) $\frac{5}{8}$
 - (vi) Zero divided by any integer gives
 (a) the same integer (b) zero
 (c) cannot be divided (d) depends on the integer
 - (vii) Reciprocal of $\frac{5}{4} \times \frac{7}{3}$ is
 (a) $\frac{5}{4} \times \frac{7}{3}$ (b) $\frac{4}{5} \times \frac{3}{7}$ (c) $\frac{4}{5} \times \frac{7}{3}$ (d) $\frac{5}{4} \times \frac{3}{7}$
 - (viii) $\frac{1}{4} \div 6 = ?$
 (a) $\frac{6}{4}$ (b) $\frac{4}{6}$ (c) $\frac{1}{4} \times \frac{1}{6}$ (d) $\frac{1}{3}$
 - (ix) $\frac{1}{3}$ of 3 is
 (a) 3 (b) $\frac{1}{9}$ (c) $\frac{1}{3}$ (d) 1
 - (x) $\frac{1}{3}$ of $\frac{1}{3}$ is
 (a) 3 (b) $\frac{1}{3}$ (c) $\frac{1}{9}$ (d) 1
 - (xi) In the expression $7.2 \times \square = 0.432$, the mission number is
 (a) 0.06 (b) 0.1104 (c) 6 (d) 311.04
 - (xii) The product of 1.2 and 0.5 expressed as a fraction is
 (a) $0\frac{2}{5}$ (b) $\frac{1}{2}$ (c) $\frac{3}{5}$ (d) $\frac{2}{5}$
 - (xiii) To multiply a decimal number by 100, move the decimal point
 (a) to the right by 2 places (b) to the left by 4 places
 (c) to the right by 4 places (d) to the left by 3 places.
 - (xiv) 2.28 is the same as
 (a) 20.28 (b) 2.208 (c) 2.280 (d) 2.028
 - (xv) $140.75 \times 0.01 = ?$
 (a) 140.7500 (b) 14000.75 (c) 1.0475 (d) 0.14075
 - (xvi) $123.45 \div 6.7$ is the same as
 (a) $123.45 \div 67$ (b) $1234.5 \div 67$ (c) $1234.5 \div 6.7$ (d) $12345 \div 67$
 - (xvii) $1000 \times 0.001 = ?$
 (a) 0.1 (b) 1 (c) 0.01 (d) 0.0001
 - (xviii) If $537 \times 2 = 1074$, what is $537 \times 0.02 = ?$
 (a) 0.1074 (b) 1.074 (c) 10.74 (d) 107.4

- (xix) To divide a decimal number by 1000, move the decimal point
 (a) to the right by 3 places (b) to the left by 4 places
 (c) to the right by 4 places (d) to the left by 3 places.
- (xx) If $156 \div 3 = 52$, what is $156 \div 0.03 = ?$
 (a) 0.52 (b) 520 (c) 5.2 (d) 5200
2. Arrange the following fractions in ascending order:
 (i) $\frac{3}{8}, \frac{5}{6}, \frac{6}{8}, \frac{2}{4}, \frac{1}{3}$ (ii) $\frac{4}{6}, \frac{3}{8}, \frac{6}{12}, \frac{5}{16}$
3. Simplify:
 (i) $\frac{2}{3} + \frac{1}{6} - \frac{2}{9}$ (ii) $7\frac{5}{6} - 4\frac{3}{8} + 2\frac{7}{12}$
4. Multiply:
 (i) $\frac{7}{11} \times \frac{3}{5}$ (ii) $\frac{3}{5} \times 25$ (iii) $3\frac{4}{15} \times 24$ (iv) $3\frac{1}{8} \times 4\frac{10}{11}$
5. Find:
 (i) $\frac{7}{11}$ of Rs 330 (ii) $\frac{5}{6}$ of 108 metres (iii) $\frac{3}{7}$ of 42 litres (iv) $\frac{1}{12}$ of an hour
 (v) $\frac{5}{6}$ of a year (vi) $\frac{3}{20}$ of a kg (vii) $\frac{7}{20}$ of a litre
 (viii) $\frac{5}{6}$ of a day (ix) $\frac{2}{7}$ of a week
6. A sugar bag contains 30 kg of sugar. After consuming $\frac{2}{3}$ of it, how much sugar is left in the bag?
7. If milk is available at Rs $17\frac{3}{4}$ per litre, find the cost of $7\frac{2}{5}$ litres of milk.
8. Find the area of a rectangular park which is $41\frac{2}{3}$ m long and $18\frac{3}{5}$ m broad.
9. Divide:
 (i) $\frac{3}{8}$ by 4 (ii) $\frac{9}{16}$ by 6 (iii) 9 by $\frac{3}{16}$ (iv) 10 by $\frac{100}{3}$ (v) $\frac{3}{10} \div \frac{10}{3}$
 (vi) $4\frac{3}{5} \div \frac{4}{5}$ (vii) $5\frac{4}{7} \div 1\frac{3}{10}$ (viii) $4 \div 2\frac{2}{5}$
10. A wire of length $12\frac{1}{2}$ m is cut into 10 pieces of equal length. Find the length of each piece.
11. In a charity show Rs 6496 were collected by selling some tickets. If the price of each ticket was Rs $50\frac{3}{4}$, how many tickets were sold?
12. Find the product:
 (i) 2.506×1000 (ii) 100×0.005 (iii) 3.4×17 (iv) 0.745×12 (v) 1.07×0.02 (vi) 211.9×1.13 (vii) 10.05×1.05 (viii) 13.01×5.01
13. If the cost of a book is Rs 25.75, find the cost of 24 such books.
14. One metre of cloth costs Rs 152.50. What is the cost of 10.75 metres of cloth?
15. Divide:
 (i) 142.45 by 10 (ii) 144 by 15 (iii) 217.44 by 18 (iv) 0.192 by 12 (v) 40.32 by 9.6 (vi) 0.768 by 1.6 (vii) 76 by 0.019 (viii) 7 by 0.014
16. The total weight of some bags of wheat is 1743 kg. If each bag weighs 49.8 kg, how many bags are there?
17. Each side of a polygon is 2.5 cm in length. The perimeter of the polygon is 12.5 cm. How many sides does the polygon have?
18. The product of two decimals is 42.987. If one of them is 12.46, find the other.
19. In the repeating decimal 0.1276988....., which digit is in the 5267th place to right of the decimal point?
20. A sports team received Rs 9, 58, 394 as prize money. This money was split among 29 players and the coach. If the players got one share each and the coach got 0.875 shares, how much would one share be worth?