

SUBJECT- MATHEMATICS

Unit 5 and Unit 6 (Fractions & Decimal)

1. Fill in the blanks:

- a) The quotient is _____ when a fraction is divided by itself.
- b) $17.31 \times \underline{\hspace{2cm}} = 173.1$
- c) The reciprocal of $3\frac{4}{9}$ is _____
- d) Decimal fraction of $500 + 70 + 8 + \frac{4}{100} + \frac{6}{1000}$ is _____
- e) $\frac{5}{7}$ of 49 is _____
- f) Decimal numbers having different number of decimal places are called _____ decimals.
- g) The reciprocal is also known as _____.
- h) Reciprocal of a whole number is a _____ fraction.
- i) What is $1 \div 2\frac{1}{2} =$ _____
- j) The reciprocal of one is _____

2. True / False

- 1. The multiplicative inverse of 0 does not exist.
- 2. There are 4 decimal places in 3245.23.
- 3. $18.563 \div 1000 = 0.018563$

3. Tick the correct choice.

- i) The place value of 0 in 7.180 is
a) 0 b) 10 c) 150⁻⁻⁻ d) none of these
- ii) Hundred point seven zero is written as:
a) 10.70 b) 100.07 c) 10.007 d) 100.70
- iii) $2.9 \div 10$ equals
a) 29 b) 0.29 c) 0.029 d) 290
- iv) 8 girls shared $\frac{4}{5}$ of a cake equally. What fraction of the cake did each girl get?
a) $\frac{5}{32}$ b) $\frac{1}{10}$ c) $\frac{3}{32}$ d) $\frac{1}{2}$

4. Solve :

- a) $24 \times 3\frac{1}{4}$
- b) $\frac{15}{4} \times \frac{16}{27} \times \frac{1}{4}$
- c) $8\frac{7}{4} \div \frac{4}{21}$
- d) 3.098×4.2
- e) $5.04 \div 8$
- f) $24.66 \div 12$

5. Add : a) $12.67 + 4.346$ b) $34.674 \text{ kg} + 8.589 \text{ kg} + 281.891 \text{ kg}$

6. Subtract a) 34.56 from 60 b) $275.83 - 14.256$

7. There are 50 apples in a box. $\frac{2}{5}$ of the apples are rotten. How many apples are in good condition?

8. Five sixths of a number is 45. Find the number.

9. In a library with 250 books, $\frac{1}{5}$ of books are on literature, $\frac{2}{5}$ on stories and rest are on other subjects. Find the number of books on the other subjects.

10) Mrs. Sharma distributed gifts worth ₹ 27.35 each to 7 children. Find the total amount spent on this event.

11) 13 slabs of chocolate weigh 6.682 kg. How much does one slab weigh?

12) Mr. Bhatt started on a 2009 km long journey. If he has covered 1872.367 km, what distance is still left to be covered?

Case Study

On annual sports day, athlete meet was held along with different types of sports. Different classes were participating in different games, class V students were excited to take part in the sport. A 100 m track race was held, the time taken to finish the race by some of the students were Rohit 9.855 sec, Mohit 8.677 sec, Harman 9.906 sec, John 9.875 sec, Ahaan 9.498 sec. Aarav just covered $\frac{1}{5}$ of track and fell down. Aarav did not complete the race. All these students showed great enthusiasm and sportsmanship to make this event a success.

Give answer :

- Arrange the names in increasing order of time taken.
- Who won the race ?
- How much distance of the track did Aarav cover?
- What is the place value of 8 in time taken by Rohit ?
- Write the time taken by Harman in fraction.
- How much less time is taken by Ahaan than John?