

DR.K.K. ARYA MODEL SCHOOL
CLASS VII
SUBJECT – MATHEMATICS
ASSIGNMENT Ch-2 . Fractions

1. Add : $2\frac{1}{3} + 1\frac{1}{2}$
2. $\frac{1}{2} - \frac{1}{4} + \frac{5}{8}$
3. $\frac{3}{7} + \frac{1}{21} - \frac{1}{14}$
4. Find the value of : $4 \times 6\frac{1}{3}$
5. Find : $\frac{3}{4}$ of 36
6. Multiply : $\frac{2}{3} \times \frac{15}{24}$
7. Find the value of : $\frac{5}{8} \times 1\frac{1}{2}$
8. Find : $3\frac{1}{2} \div 4$
9. Find the value of : $\frac{2}{5} \div \frac{1}{2}$
10. Arrange in ascending order: $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$
11. Rahul purchased $3\frac{1}{2}$ kg apples and $4\frac{3}{4}$ kg oranges . What is the total weight of fruits purchased by him?
12. The cost of 1 litre petrol is Rs $12\frac{4}{7}$. What is the cost of $10\frac{1}{2}$ litres of petrol ?
13. Sonu finished colouring a picture in $\frac{2}{7}$ hour. Rohan finished colouring picture in $\frac{4}{5}$ hour. Who worked longer ? By what fraction was it longer?
14. A vehicle uses $2\frac{2}{5}$ litres of petrol in 1 hour . How many litres of petrol will be required to run the vehicle for $3\frac{1}{2}$ hours ?
15. A magazine has 60 pages of which $\frac{7}{12}$ are for advertising, $\frac{4}{15}$ have only photograph on them and the rest are of articles and stories. How many pages have articles and stories on them?
16. Sonali and Ravi went for a picnic. Their father gave them a water bottle that contained 7 litres of water. Sonali consumed $\frac{3}{7}$ of the water. Ravi consumed the remaining water.
 - (a) How much water did Sonali drink?
 - (b) What fraction of total quantity of water did Ravi drink?
17. Simplify: $4.346 - 1.16 + 3.402 - 2.3$. (Ans: 4.288)
18. Simplify: $0.02068 \div 400$. (Ans: 0.0000517)
19. If 6 people equally share a bill of ₹ 98.10, how many should each pay? (Ans: ₹16.35)
20. find the weight of 16 bags of sugars, each weighing 48.450 kg. (Ans: 775.2 kg)