

CBSE CLASS 4 MATHS – FRACTIONS

Worksheet 5: Word Problems on Addition, Subtraction and Comparison of Fractions

Practice worksheet with answer key

Name: _____

Date: _____

Remember: Read the problem and decide: add, subtract or compare?
Make the denominators the same before adding or subtracting unlike fractions.
Write the unit (litre, metre, km...) with your answer.

Word Problems

Read each problem carefully. Write the answer in the simplest form where possible.

1. Riya ate $\frac{2}{8}$ of a pizza and Aman ate $\frac{3}{8}$ of the same pizza. What fraction of the pizza did they eat together?
Ans: _____
2. A water tank was $\frac{7}{10}$ full. Some water was used and $\frac{2}{10}$ of the tank was emptied. What fraction of the tank is still full?
Ans: _____
3. Meera read $\frac{3}{9}$ of a book on Monday and $\frac{4}{9}$ on Tuesday. What fraction of the book has she read? What fraction is left?
Ans: _____
4. Ravi has a ribbon of $\frac{1}{2}$ metre and Sita has a ribbon of $\frac{1}{4}$ metre. What is the total length of their ribbons?
Ans: _____
5. Tom ate $\frac{3}{7}$ of a chocolate bar and Sam ate $\frac{5}{7}$ of an identical bar. Who ate more?
Ans: _____
6. A jug is $\frac{5}{6}$ full of juice. Mother pours out $\frac{1}{6}$ of the jug. What fraction of the jug is full now?
Ans: _____
7. $\frac{1}{3}$ of a wall was painted blue and $\frac{1}{6}$ of the wall was painted green. What fraction of the wall is painted?
Ans: _____
8. Sonu walked $\frac{3}{4}$ km to the park and then $\frac{1}{4}$ km more to the school. How far did he walk altogether?
Ans: _____
9. Priya drank $\frac{3}{5}$ of a bottle of milk and Kabir drank $\frac{3}{8}$ of an identical bottle. Who drank more?
Ans: _____
10. A rope is $\frac{9}{10}$ metre long. A piece of $\frac{4}{10}$ metre is cut off. How long is the remaining rope?
Ans: _____

- 11.** In a garden, $\frac{2}{8}$ of the plants are roses and $\frac{3}{8}$ are marigolds. The rest are other flowers. What fraction are other flowers?

Ans: _____

- 12.** Amit had $\frac{7}{8}$ litre of milk. He used $\frac{1}{4}$ litre for tea. How much milk is left?

Ans: _____

- 13.** On a shelf, $\frac{1}{5}$ of the books are in Hindi and $\frac{3}{10}$ are in English. What fraction of the books are Hindi or English?

Ans: _____

- 14.** Rahul ran $\frac{5}{6}$ km and Sunil ran $\frac{2}{3}$ km. Who ran more, and by how much?

Ans: _____

- 15.** In a class, $\frac{4}{12}$ of the students like cricket and $\frac{5}{12}$ like football. What fraction of the class likes cricket or football?

Ans: _____

- 16.** Anu spent $\frac{3}{10}$ of her pocket money on books and $\frac{1}{2}$ on toys. What fraction did she spend altogether?

Ans: _____

- 17.** Bottle A is $\frac{3}{4}$ full and bottle B of the same size is $\frac{5}{8}$ full. Which bottle is fuller?

Ans: _____

- 18.** A farmer ploughed $\frac{2}{5}$ of a field on Monday and $\frac{1}{5}$ on Tuesday. What fraction of the field is still not ploughed?

Ans: _____

- 19.** A cake is cut into 12 equal pieces. The children eat 5 pieces and the guests eat 3 pieces. What fraction of the cake is left?

Ans: _____

- 20.** Tina drank $\frac{1}{2}$ litre of water and Ria drank $\frac{3}{8}$ litre. Who drank more, and how much more?

Ans: _____

Answer Key – Worksheet 5: Word Problems on Addition, Subtraction and Comparison of Fractions

1. $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$ of the pizza.
2. $\frac{7}{10} - \frac{2}{10} = \frac{5}{10} = \frac{1}{2}$ of the tank.
3. Read = $\frac{3}{9} + \frac{4}{9} = \frac{7}{9}$. Left = $\frac{9}{9} - \frac{7}{9} = \frac{2}{9}$.
4. $\frac{1}{2} = \frac{2}{4}$, so $\frac{2}{4} + \frac{1}{4} = \frac{3}{4}$ metre.
5. Same denominator: $\frac{5}{7} > \frac{3}{7}$. Sam ate more.
6. $\frac{5}{6} - \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$ of the jug.
7. $\frac{1}{3} = \frac{2}{6}$, so $\frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$ of the wall.
8. $\frac{3}{4} + \frac{1}{4} = \frac{4}{4} = 1$ km.
9. Same numerator, so the smaller denominator gives the bigger fraction: $\frac{3}{5} > \frac{3}{8}$. Priya drank more.
10. $\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$ metre.
11. Roses + marigolds = $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$. Others = $\frac{8}{8} - \frac{5}{8} = \frac{3}{8}$.
12. $\frac{1}{4} = \frac{2}{8}$, so $\frac{7}{8} - \frac{2}{8} = \frac{5}{8}$ litre.
13. $\frac{1}{5} = \frac{2}{10}$, so $\frac{2}{10} + \frac{3}{10} = \frac{5}{10} = \frac{1}{2}$.
14. $\frac{2}{3} = \frac{4}{6}$. $\frac{5}{6} > \frac{4}{6}$, so Rahul ran more. Difference = $\frac{5}{6} - \frac{4}{6} = \frac{1}{6}$ km.
15. $\frac{4}{12} + \frac{5}{12} = \frac{9}{12} = \frac{3}{4}$.
16. $\frac{1}{2} = \frac{5}{10}$, so $\frac{3}{10} + \frac{5}{10} = \frac{8}{10} = \frac{4}{5}$.
17. $\frac{3}{4} = \frac{6}{8}$. $\frac{6}{8} > \frac{5}{8}$, so bottle A is fuller.
18. Ploughed = $\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$. Left = $\frac{5}{5} - \frac{3}{5} = \frac{2}{5}$.
19. Eaten = $\frac{5}{12} + \frac{3}{12} = \frac{8}{12}$. Left = $\frac{12}{12} - \frac{8}{12} = \frac{4}{12} = \frac{1}{3}$.
20. $\frac{1}{2} = \frac{4}{8}$. $\frac{4}{8} > \frac{3}{8}$, so Tina drank more. Difference = $\frac{4}{8} - \frac{3}{8} = \frac{1}{8}$ litre.