



MATHS

BOOKS - NAVNEET MATHS (MARATHI ENGLISH)

OPERATIONS ON FRACTIONS

Question Bank

1. Convert into proper fractions :

$$7\frac{2}{5}$$



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2. Convert into improper fractions :

$$5\frac{1}{6}$$



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3. Convert into improper fractions :

$$4\frac{3}{4}$$



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4. Convert into improper fractions :

$$2\frac{5}{9}$$



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5. Convert into improper fractions :

$$1\frac{5}{7}$$



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6. Convert into mixed numbers :

$$\frac{30}{7}$$



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7. Convert into mixed numbers :

$$\frac{7}{4}$$



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8. Convert into mixed numbers :

$$\frac{15}{12}$$



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9. Convert into mixed numbers :

$$\frac{11}{8}$$



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10. Convert into mixed numbers :

$$\frac{21}{4}$$



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11. Convert into mixed numbers :

$$\frac{20}{7}$$



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12. Write the following examples using fractions :

If 9 kg of rice is shared equally among 5 persons, how many kilograms of rice does each person get ?



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13. Write the following examples using fractions :

To make 5 shirts of the same size, 11 metres of

cloth is needed. How much cloth is needed for one shirt?



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14. Add :

$$4\frac{1}{2} + 3\frac{1}{3}$$



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15. Subtract :

$$7\frac{3}{7} - 6\frac{2}{5}$$



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16. Add :

$$6\frac{1}{3} + 2\frac{1}{3}$$



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17. Add :

$$1\frac{1}{4} + 3\frac{1}{2}$$



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18. Add :

$$5\frac{1}{5} + 2\frac{1}{7}$$



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19. Add :

$$3\frac{1}{5} + 2\frac{1}{3}$$



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20. Subtract :

$$3\frac{1}{3} - 1\frac{1}{4}$$



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21. Subtract :

$$5\frac{1}{2} - 3\frac{1}{3}$$



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22. Solve any four sub questions from the following :

$$\text{Subtract : } 7\frac{1}{8} - 6\frac{1}{10}$$



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23. Subtract :

$$7\frac{1}{2} - 3\frac{1}{5}$$



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24. Solve :

Suyash bought $2\frac{1}{2}$ kg of sugar and Ashish bought $3\frac{1}{2}$ kg of sugar. How much sugar did they buy altogether? If sugar costs 32 per kg, how much did they spend on the sugar they bought ?



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25. Solve :

Aradhana grows potatoes $\frac{2}{5}$ the part of her

garden, green leafy vegetables in part $\frac{1}{3}$ and brinjals in the remaining part. On how much of her plot did she plant brinjals?



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26. Solve :

Sandeep filled water in $\frac{4}{5}$ th of an empty tank.

After that, Ramakant filled $\frac{1}{4}$ th part more of

the same tank. Then Umesh used $\frac{3}{14}$ th part

of the tank to water the garden. If the tank has

a maximum capacity of 560 litres, how much water is left in the tank now?



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27. What fractions do the points A and B on the number lines below, show?



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28. What fractions do the points A and B on the number lines below, show?



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29. What fractions do the points A and B on the number lines below, show?



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30. Show the following fractions on the

Number line:

$$\frac{3}{5}, \frac{6}{5}, 2\frac{3}{5}$$



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31. Show the following fractions on the

Number line:

$$\frac{3}{4}, \frac{5}{4}, 2\frac{1}{4}$$



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32. Multiply :

$$\frac{7}{5} \times \frac{1}{4}$$



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33. Multiply :

$$\frac{6}{7} \times \frac{2}{5}$$



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34. Multiply :

$$\frac{5}{9} \times \frac{4}{9}$$



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35. Multiply :

$$\frac{4}{11} \times \frac{2}{7}$$



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36. Multiply :

$$\frac{1}{5} \times \frac{7}{2}$$



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37. Multiply :

$$\frac{9}{7} \times \frac{7}{8}$$



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38. Multiply :

$$\frac{5}{6} \times \frac{6}{5}$$



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39. Multiply :

$$\frac{6}{17} \times \frac{3}{2}$$



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40. Ashokrao planted bananas on $\frac{2}{7}$ th of his field of 21 acres. What is the area of the banana plantation?



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41. On the total number of soldiers In our army, $\frac{4}{9}$ th are posted on the northern border and one-third of them on the northeastern border. If the number of soldiers on the northern border Is 5,40,000, how many are posted on the northeastern border?



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42. Write the reciprocals of the following numbers :



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43. Write the reciprocals of the following numbers :

$$\frac{11}{3}$$



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44. Write the reciprocals of the following numbers :

$$\frac{5}{13}$$



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45. Write the reciprocals of the following numbers :

2



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46. Write the reciprocals of the following numbers :

$$\frac{6}{7}$$



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47. Carry out the following divisions :

$$\frac{2}{3} \div \frac{1}{4}$$



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48. Carry out the following divisions :

$$\frac{5}{9} \div \frac{3}{2}$$



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49. Carry out the following divisions :

$$\frac{3}{7} \div \frac{5}{11}$$



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50. Carry out the following divisions :

$$\frac{11}{12} \div \frac{4}{7}$$



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51. Four hundred and twenty students participated in the Swachh Bhaarat campaign. They cleaned $\frac{42}{75}$ th part of the town, Sevagram. What part of Sewagram did each student clean, if the work was equally shared by all ?



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52. What is a proper fraction ?



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53. What is an improper fraction?



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54. What is the reciprocal of

12



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55. What is the reciprocal of

$$\frac{3}{4}$$



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56. What is the reciprocal of

$$\frac{5}{3}$$



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57. Which integer does not have a reciprocal ?



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