

### Assignment 13

1.  $\frac{5}{8} \times \left[ \frac{7}{10} + \frac{3}{5} + \frac{1}{2} \right]$   
2.  $\left( 6\frac{1}{3} \times 2\frac{2}{5} \right) + \left( 3\frac{1}{2} \times 4\frac{3}{7} \right)$   
3.  $\left( 4\frac{1}{5} \times \frac{15}{28} \right) - \left( \frac{5}{6} - \frac{2}{9} \right)$   
4.  $\left[ \frac{11}{15} - \frac{7}{30} \right] \times \left[ \frac{5}{8} + \frac{3}{4} \right]$   
5.  $\left[ \frac{9}{14} \times \frac{21}{25} \right] - \left[ \frac{4}{5} \times \frac{7}{15} \right]$   
6.  $\left( 7\frac{2}{3} \times \frac{9}{16} \right) - \left( \frac{5}{8} \times 1\frac{1}{4} \right)$

7.  $\left[ 5\frac{1}{2} \times 3\frac{1}{3} \times 2\frac{1}{4} \right] - \left[ \frac{7}{4} \times 2\frac{2}{5} \times 1\frac{1}{2} \right]$   
8.  $\left[ \frac{13}{18} + \frac{5}{9} \right] \div \left[ \frac{7}{12} - \frac{1}{6} \right]$   
9.  $\left[ \frac{8}{21} \times \frac{14}{15} \times \frac{5}{8} \right] + \frac{9}{10} - \frac{7}{20}$   
10.  $2 \left( \frac{19}{6} - \frac{11}{12} \right) + \frac{1}{4} \left[ 2\frac{1}{5} - \frac{3}{10} \right]$   
11.  $\left[ \frac{5}{12} - \frac{1}{8} \right] \times \left[ \frac{7}{9} + \frac{2}{3} \right]$   
12.  $\left( 9\frac{1}{4} \times 1\frac{2}{3} \right) + \left( 2\frac{5}{6} \times 3\frac{1}{2} \right)$

13.  $\left[ \frac{17}{20} \times \frac{15}{34} \right] + \left[ \frac{7}{8} \times \frac{4}{21} \right]$   
14.  $\left( 3\frac{3}{5} \times \frac{25}{36} \right) - \left( \frac{7}{9} - \frac{5}{18} \right)$   
15.  $\left[ \frac{4}{7} + \frac{3}{14} \right] \times \left[ \frac{11}{15} - \frac{2}{5} \right]$   
16.  $\left[ 6\frac{1}{2} \times 2\frac{1}{3} \times \frac{3}{13} \right] + \left[ \frac{5}{6} \times \frac{9}{10} \right]$   
17.  $\left[ \frac{7}{16} \times \frac{8}{21} \right] \div \left[ \frac{5}{14} + \frac{3}{7} \right]$   
18.  $4 \left( \frac{11}{8} - \frac{5}{16} \right) - \frac{2}{3} \left[ \frac{7}{5} - \frac{1}{2} \right]$   
19.  $\left[ 2\frac{1}{4} \times 1\frac{2}{3} \times 3\frac{1}{5} \right] - \left[ \frac{9}{10} \times \frac{5}{6} \times \frac{4}{9} \right]$   
20.  $\left[ \frac{5}{9} + \frac{7}{18} - \frac{1}{6} \right] \times \left[ \frac{8}{11} - \frac{3}{22} \right]$

### Word questions

1. A car travels 148.5 km in 3 hours. How far will it travel in 5.5 hours at the same speed?
2. The cost of 18.5 kg of rice is ₹ 832.50. Find the cost of 7 kg of rice.
3. The area of a rectangular field is 1248.75 sq. m. Find its breadth if the length is 37.5 m.
4. Find the area of a square whose perimeter is 184.8 m.
5. Ritu pays ₹ 1687.50 for 25 notebooks. How much should she pay for 32 notebooks?

6. A shopkeeper buys 14 l of milk for ₹ 798. How much will 22 l of milk cost at the same rate?
7. A tailor uses 42.5 m of cloth to stitch 25 uniforms. How much cloth is needed to stitch 40 uniforms?
8. How many bottles of capacity 1.75 l are required to fill a tank containing 63 l of water?
9. How many pieces of ribbon of length 2.25 m can be cut from a ribbon 76.5 m long?
10. The cost of 325.5 l of diesel is ₹ 29327.25. Find the cost of 1 l of diesel.
11. A train covers 276.8 km in 4 hours. How much distance will it cover in 7.5 hours at the same speed?
12. The cost of 12.5 kg of apples is ₹ 1437.50. Find the cost of 8 kg of apples.
13. A water tank contains 945.6 l of water. If each bucket can hold 18 l, how many buckets are needed to empty the tank?
14. A worker earns ₹ 4250 in 17 days. How much will he earn in 25 days at the same rate?
15. A bus uses 56.4 l of fuel to travel 470 km. How much fuel will it require to travel 625 km?