

OLYMPIAD · EVERYDAY MATHEMATICS · OLYMPIAD PREPARATION · DPP SHEET

Chapter 13: Ratio and Proportion

Daily practice problems: 10 questions with an answer key

Try every question on your own first. The answer key is on the last page.

1. Simplify the ratio 45 : 60.
2. Divide Rs 360 in the ratio 2 : 3 : 4.
3. Find x if $3 : x = 12 : 20$.
4. If $a : b = 2 : 3$ and $b : c = 4 : 5$, find $a : b : c$.
5. The cost of 5 pens is Rs 40. Find the cost of 12 pens.
6. 6 workers finish a job in 12 days. In how many days will 9 workers finish it?
7. The ages of two people are in the ratio 3 : 5 and their sum is 40. Find the ages.
8. Find the mean proportional between 4 and 9.
9. Rs 2400 is divided between A and B in the ratio 3 : 5. Find B's share.
10. A car goes 150 km in 3 hours. How far does it go in 5 hours at the same speed?

Answer Key

1. 3 : 4.
2. Rs 80, Rs 120 and Rs 160.
3. 5.
4. 8 : 12 : 15.
5. Rs 96.
6. 8 days.
7. 15 and 25.
8. 6.
9. Rs 1500.
10. 250 km.

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