

CLASS 8 · HOTS · OLYMPIAD PREPARATION · DPP SHEET

Chapter 7: HOTS: Proportional Reasoning 2 (Class 8)

Daily practice problems: 8 questions with an answer key

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

1. On a map with the scale 1 : 200 000, two places are 3 cm apart. Find the real distance.
2. Divide Rs 1500 in the ratio 1 : 2 : 3.
3. In a pie chart of 800 people, a sector has a central angle of 90° . How many people does it represent?
4. 6 men can finish a job in 20 days. How many days will 10 men take?
5. A can finish a job in 10 days and B in 15 days. How long will they take together?
6. One pipe fills a tank in 6 hours and another in 3 hours. How long will both take together?
7. Two places are 7.5 km apart. How far apart are they on a map with the scale 1 : 150 000?
8. 15 men can dig a trench in 12 days. How many men are needed to dig it in 9 days?

Answer Key

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|-------------------------------|-------------|
| 1. 6 km. | 5. 6 days. |
| 2. Rs 250, Rs 500 and Rs 750. | 6. 2 hours. |
| 3. 200. | 7. 5 cm. |
| 4. 12 days. | 8. 20 men. |

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