

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

RATIOS AND PROPORTIONS

SESSION -2024-25

CLASS - 6th

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Time : 1 hr

∴ Ratio and proportion :-

mm:

Q. 1. There are 102 teachers in a school of 3300 students. Find the ratio of the number of teachers to the number of students.



Q. 2. Cost of a dozen pens is ₹ 180 and cost of 8 ball pens is ₹ 56. Find the ratio of the cost of a pen to the cost of a ball pen.

Q. 3. Mother wants to divide ₹ 36 between her daughters Shreya and Bhoomika in the ratio of their ages. If age of Shreya is 15 years and age of Bhoomika is 12 years. Find how much Shreya and Bhoomika will get.



Q. 4. Determine if the following ratios form a proportion. Also, write the middle terms and extreme terms where the ratios form a proportion.

(i) 25 cm : 1 m and ₹ 40 : ₹ 160

(ii) 200 mL : 2.5 litre and ₹ 4 : ₹ 50

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Q. 5. If the cost of 7m of cloth is ₹ 1470, find the cost of 5m of cloth.

Q. 6. Cost of 5 kg of wheat is ₹ 91.50.



(a) What will be the cost of 8 kg of wheat?

(b) What quantity of wheat can be purchased in ₹ 183?

Q. 7. Shaina pays ₹ 15000 as rent for 3 months.

How much does she have to pay for a whole year if the rent per month remains same?

Q. 8. Cost of 4 dozen bananas is ₹ 180. How many bananas can be purchased for ₹ 90.



Q. 9. A truck required 108 litres of diesel for covering a distance of 594 km. How much diesel will be required by the truck to cover a distance of 1650 km?

Q. 10. Anish made 42 runs in 6 overs and Anup made 63 runs in 7 overs. Who made more runs per over?

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