

Year 9 Finals 2025

Y9/1. Three people shared a sum of money in the ratio 6:3:2. The smallest share was \$500.
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Y9/2. Simplify $\frac{2}{3x} - \frac{3}{4x}$

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Y9/3 Write 123.4 in standard form.

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Y9/4. In the first five Math short tests, Payal had an average score of 10. In the next two tests she scored 7 and 6.

Calculate the average mark of the seven tests.

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Y9/6. Simplify $\left| -2 - 3 \div \frac{1}{3} \right|$

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Y9/7. In Tom's drawer, there are three different colours of socks: 6 blue socks, 14 black socks, and 9 red socks. Without looking into his drawer, what is the smallest number of socks that Tom needs to take out to be sure 2 black socks have been taken out?

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Y9/8. A tank is $\frac{1}{6}$ full of kerosene. If 8 litres of kerosene is added then the tank is $\frac{1}{4}$ full.

How many more litres of kerosene should be added to completely fill the tank?

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Y9/10. Solve $6 - \frac{3-2x}{5} = 8$

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Y9/11. Hari has \$188 in his savings account. If he deposits \$8 per week, how many weeks will it take for his balance to reach \$332?

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Y9/12. Convert 36 km/h to m/s.

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Y9/13. Ben and Den can do a job in 20 days and 30 days respectively.

If they both work together, in how many days will the job be done?

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Y9/14. If a radio is sold at a profit of 30%, what is the ratio of profit to cost?

Give your answer in the simplest form.

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Y9/15. If 15 dolls can be bought for \$727.50, how many dolls can be bought for \$1358?

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Y9/16. If each edge of a cube is increased by 300%, what is the percentage increase in the surface area?

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Y9/17. The mean of a set of integers is 6. The sum of the integers is 18. If two of the integers are -4 and 12 , what is the median of the set?

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Y9/18. Adding 2 years to the age of a boy would make him one quarter of his father's age. Four years ago, his father was one year less than ten times his son's age. How old is the boy?

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Y9/19. Maria can clean 2 big rooms in the same time it takes to clean 3 small rooms. She can clean one big room and 3 small rooms in 90 minutes.

How long in hours will it take her to clean 3 big rooms and 6 small rooms?

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Y9/20. If A is 20% of B then $2A$ is what percent of $5B$?

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