Ratio, Percentage, Profit & Loss Practice

# 30 Minutes – (Don’t skip any questions)

1. The number of sweets with Pankaj and Karan are in the ratio . The ratio of number of sweets with Karan and Rajan is . How many sweets does Karan have if the total number of sweets is ?

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1. If and then the value of x is:

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1. A sum of Rs 1300 is divided amongst A,B,C, & D such that . A’s share is

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1. In a mixture of , the ratio of alcohol & water is . If this ratio is to become , then the quantity of water to be further added is

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1. An amount of was divided between Ram, Shyam & Mohan. If each of them had received less, their shares would have been in the ratio of . The money received by Mohan was:

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1. A sum of money is to be distributed among and in the proportion of . If gets more than , what is share?

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1. The ratio of first and second class fares between stations is . The ratio of the number of passengers traveling by first class to those traveling by second class is . If the total fare collected is , what was the fare collected from the second class passengers?

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1. What is the reciprocal of ?

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1. A milk vendor receives adulteration supplies and that contains and of water respectively. How much of each kind must be taken so as to form of mixture containing of milk?

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1. The price of tomatoes and potatoes is increased by each. The price per pound of tomatoes has increased by and the price of potatoes is increased by , then the difference between the price of tomatoes and potatoes is what fraction of value of potatoes?

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1. of class answered the first question on a certain test correctly, answered second question on test correctly and answered neither of question correctly, what percent answered both correctly?

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1. A particular television costs at retail price. Salesman Horace offers discount. Saleswoman Gretchen offers it for of the retail price. How much money is saved by not taking Horace’s offer?

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1. Timothy, Ursula and Victoria each have marbles. Timothy gives Sam of his marbles. Ursula and Victoria both give him of their marbles. How many marbles did Sam receive in total?

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1. Quantitative Comparison:

c is a positive number.

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| Quantity A | Quantity B |
| of c | of c |

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| 1. A > B | 1. B > A | 1. A = B | 1. Can’t be determined |

1. Quantitative Comparison:

x and y are positive numbers

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| Quantity A | Quantity B |
| of x | of y |

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| --- | --- | --- | --- |
| 1. A > B | 1. B > A | 1. A = B | 1. Can’t be determined |

1. What percent of is ?

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1. Physics tells us that weights of objects on the moon are proportional to their weights on Earth. Suppose a man weighs on the moon. What will a boy weigh on the moon?

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1. A sample of light bulbs consisted of defective ones. Assume that today's batch of light bulbs has the same proportion of defective bulbs as the sample. Determine the total number of defective bulbs made today. (Ignore the fact that the assumption of exact proportionality is highly unlikely)

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1. It costs for The Striped Toothpaste Company to make, package and ship a tube of toothpaste. The company also has "overhead costs" of per month. The company sells (at wholesale) cartons of toothpaste at the price of per tube. This month, the company sold tubes of toothpaste. What is this month's profit?

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