

Subject: Mathematics

Class: 7

Topic: Word Problems: Linear Equations

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Rahul has some marbles. After giving 5 to Amit, he has 12 left. How many did he have? ?
2. A pen costs ₹15. If Arjun buys 'x' pens for ₹90, find the value of x. ?
3. Sum of a number and 10 is 25. Find the number. ?
4. Priya spent ₹40 on a notebook and has ₹60 left. How much money did she have initially? ?
5. Seven times a number is 42. What is the number? ?
6. If you subtract 8 from a number, the result is 14. Find the number. ?
7. A box of sweets is shared among 4 friends. Each gets 5 sweets. How many were in the box? ?
8. The perimeter of a square is 20 cm. If the side is 's', find s using $4s = 20$. ?
9. Ravi is 5 years older than Sneha. If Ravi is 12, how old is Sneha? ?
10. Double a number is equal to 50. Find the value of that number. ?

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Level: Intermediate

1. Thrice a number added to 7 gives 22. Find the number. ?
2. Anu bought 3 chocolates and a ₹5 eraser for a total of ₹50. Find the cost of one chocolate. ?
3. The sum of three consecutive integers is 33. Find the smallest integer. ?
4. A taxi charges ₹20 as a fixed fee plus ₹10 per km. If the bill is ₹120, find the distance. ?
5. Length of a rectangle is 2m more than its breadth. If perimeter is 20m, find the breadth. ?
6. The age of a father is 3 times his son's age. If the sum of ages is 48, find the son's age. ?
7. Ibrahim thought of a number, multiplied it by 2 and added 9 to get 25. What was the number? ?
8. Two-fifths of a number is 10. Find the number. ²
9. The price of 4 kg apples and 2 kg mangoes (at ₹40/kg) is ₹240. Find the price of apples per kg. ?
10. In a class of 40, the number of girls is 6 more than boys. Find the number of boys. ?

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Level: Advanced

1. A bag contains ₹1 and ₹2 coins. Total coins are 20 and total value is ₹35. Find number of ₹2 coins. ?
2. The sum of the digits of a two-digit number is 9. If 9 is added to the number, the digits reverse. ?
3. Meena's mother is 26 years younger than Meena's grandmother and 29 years older than Meena. Sum of ages is 135. ?
4. A cricket bat costs 5 times a ball. If the total cost for 2 bats and 3 balls is ₹1300, find the bat's price. ?
5. The denominator of a fraction is 4 more than the numerator. If 1 is added to both, it becomes $\frac{1}{2}$. ?
6. Deepak has 3 times as many ₹2 coins as he has ₹5 coins. Total value is ₹77. Find count of each. ?
7. After 15 years, Mary will be 4 times as old as she is now. Find her present age. ?
8. Two equal sides of an isosceles triangle are $(3x - 1)$ and $(2x + 5)$. Find the value of x . ²
9. A laborer is engaged for 20 days on condition that he receives ₹250/day but loses ₹50 if absent. He got ₹4400. ?
10. The difference between two positive integers is 36. The quotient when one is divided by other is 4. ?