



1. What is the reciprocal of the sum of three-halves and negative one-half?
2. If the sum of three consecutive integers is forty-eight, what is the greatest of the three integers?
3. What is the product of the number of sides of a hexagon and the number of right angles in a square?
4. What is the least common multiple of twelve and sixteen?
5. If the sum of the first three positive prime numbers is equal to one-third of  $x$ , what does  $x$  equal?

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6. Joe's grocery store bill was ten dollars and twenty-three cents. If he paid with a twenty dollar bill, how much money, in dollars, would he receive in return? Express your answer as a decimal.
7. What is product of three, five, and eleven?
8. What is the sum of the first seven positive integers?
9. If the base of a triangle has a length of eight, and the area of the triangle is twenty-four, what is the height of the triangle?
10. Start with two-hundred four. Divide by two. Add twenty-three. Then take the cube root. What is the final number?

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11. If you have a drawer with eight unique shirts, three unique pairs of pants, and five unique ties, how many different outfits of one shirt, one pair of pants, and one tie could you create?
12. Start with fifty. Divide by eight. Round that result to the nearest integer. Finally, square your result. What is the final number?
13. If the perimeter of a regular hexagon is two-hundred ten, what is the length of one side?
14. What is the average test score of five students whose scores are: twenty, twenty-two, twenty-four, twenty-six, and twenty-eight?
15. If Mary has twenty-five cents, John has twice as much as Mary, and Chris has three times as much as Mary, how much money, in cents, do they have altogether?

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16. What is thirteen squared minus twelve squared?
  
17. If you were to reduce the fraction thirty-six hundredths to lowest terms, what would the numerator be?
  
18. If the area of a square is forty-nine square inches, how many inches is the perimeter of the square?
  
19. What is the sum of eighteen, twenty-two tenths, and two? Express your answer as a decimal.
  
20. Three raised to what power is equal to eighty-one?