



1. What is the product of the number of sides of a hexagon and the number of right angles in a square?
2. What is the least common multiple of twelve and sixteen?
3. If the sum of the first three positive prime numbers is equal to one-third of x , what does x equal?
4. If you begin reading your math book at 4:38pm and finish reading your math book at 6:12pm, for how many minutes were you reading?
5. What is the area of a triangle whose base has a length of four and whose height is twice the length of the base?

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6. What is the sum of the first seven positive integers?
7. 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?
8. Start with two-hundred four. Divide by two. Add twenty-three. Then take the cube root. What is the final number?
9. What percentage is represented by the fraction one-twentieth?
10. What is the probability of rolling an even number on three straight rolls of a fair, six-sided die? Express your answer as a reduced fraction.

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11. If the perimeter of a regular hexagon is two-hundred ten, what is the length of one side?
12. What is the average test score of five students whose scores are: twenty, twenty-two, twenty-four, twenty-six, and twenty-eight?
13. 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?
14. Start with the smallest positive prime number. Square that number, then square the result. Finally, square your new result one last time. What is the resulting number?
15. If you could write a short story in three days, how many complete short stories could you write in five weeks?

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16. If the area of a square is forty-nine square inches, how many inches is the perimeter of the square?
17. What is the sum of eighteen, twenty-two tenths, and two? Express your answer as a decimal.
18. Three raised to what power is equal to eighty-one?
19. If the perimeter of a rectangle is eighty-two units, and the length of the rectangle is twelve units, what is the width of the rectangle?
20. What is the sum of the first five positive perfect squares?