

5 Simple Math Tricks For Fast Calculations

Here are five simple math tricks that can help you perform calculations quickly and efficiently:

1. **Multiplying by 11:** To quickly multiply a two-digit number by 11, add the two digits together and place the result in the middle. For example, to calculate 11×24 , add 2 and 4 to get 6, and place it in the middle to get 264.
2. **Multiplying by 9:** To multiply a number by 9, multiply it by 10 and then subtract the original number. For example, to calculate 9×7 , multiply 7 by 10 to get 70, and then subtract 7 to get 63.
3. **Squaring numbers ending in 5:** To square a number that ends in 5, take the digit in front of the 5, multiply it by itself plus 1, and then append 25 to the result. For example, to square 35, take 3, multiply it by $3 + 1$ to get 12, and then append 25 to get 1225.
4. **Quickly find a fraction of a number:** To find a fraction of a number, divide the number by the denominator, and then multiply the result by the numerator. For example, to find $\frac{1}{4}$ of 60, divide 60 by 4 to get 15, and then multiply 15 by 1 to get 15.
5. **Percentage calculation:** To find a percentage of a number, simply multiply the number by the percentage divided by 100. For example, to find 20% of 50, multiply 50 by $\frac{20}{100}$ to get 10.

These tricks can be quite handy for mental math and quick calculations, but remember that they might not always be the best approach for complex calculations, where standard methods or a calculator would be more appropriate.

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