

What is the value of 5% of 20?

- A. 10
- B. 1
- C. 4
- D. 2

Show Answer...

Correct Answer: B (1)

Explanation:

The correct option is B, "1."

To find the value of a certain percentage of a number, you can use the formula:

$$\text{Value} = (\text{Percentage} / 100) * \text{Number}$$

In this case, we want to find 5% of 20. Applying the formula, we have:

$$\text{Value} = (5 / 100) * 20$$

$$\text{Value} = 0.05 * 20$$

$$\text{Value} = 1$$

Therefore, 5% of 20 is equal to 1.

Option A, "10," is not the correct answer. 10 would be the result if we were calculating 50% of 20.

Option C, "4," is not the correct answer. 4 would be the result if we were calculating 20% of 20.

Option D, "2," is not the correct answer. 2 would be the result if we were calculating 10% of 20.

How to Find Out Percentage?

Introduction

Understanding how to find out percentages is a valuable skill in various real-life situations, such as calculating discounts, analyzing data, or solving mathematical problems. This article will guide you through the process of finding percentages using a simple formula.

Formula for Finding Percentage

To find a certain percentage of a number, you can use the following formula:

$$\text{Value} = (\text{Percentage} / 100) * \text{Number}$$

This formula involves three components: the percentage, the number, and the resulting value. By substituting the values into the formula, you can calculate the desired percentage.

Step-by-Step Process

To find out a percentage of a number, follow these steps:

Step 1: Identify the percentage you want to calculate. For example, let's say you want to find 20% of a number.

Step 2: Identify the number that you want to find the percentage of. Let's assume the number is 50.

Step 3: Apply the formula: $\text{Value} = (\text{Percentage} / 100) * \text{Number}$.

Step 4: Substitute the values into the formula: $\text{Value} = (20 / 100) * 50$.

Step 5: Simplify the equation: $\text{Value} = 0.2 * 50$.

Step 6: Calculate the value: $\text{Value} = 10$.

The resulting value represents the percentage of the given number.

Example Usages

Finding percentages can be applied to various scenarios. Here are a few examples:

1. **Calculating Discounts:** If an item is on sale for 30% off, you can find the discount amount by multiplying the percentage by the original price.
2. **Analyzing Data:** When interpreting statistical data, percentages are often used to represent proportions, growth rates, or distributions.
3. **Problem Solving:** Math problems may require finding percentages to determine parts of a whole or to compare quantities.

Conclusion

Knowing how to find out percentages is a valuable skill that can be applied in numerous contexts. By understanding the formula and following a step-by-step process, you can calculate percentages with ease. Whether it's calculating discounts, analyzing data, or solving mathematical problems, the ability to find percentages will empower you to make informed decisions and solve problems effectively.



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