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What is Percentages

Unlock the Power of Percentages in Everyday Life!

DEFINITION

Percentages show how much out of 100 something is. They help us compare values easily.

KEY CONCEPTS

Percent Symbol

The percent symbol (%) means 'out of 100'. For example, 25% means 25 out of 100.

Finding Percentages

To find a percentage, multiply the number by the percentage and divide by 100.

Converting to Percent

To convert a fraction or decimal to a percentage, multiply by 100 and add the % sign.

Real-Life Uses

Percentages are used in discounts, taxes, and statistics to make sense of data.

Percentage Increase/Decrease

Percentage increase shows growth, while percentage decrease shows reduction compared to the original.

EXAMPLES

- 50% of 200 is 100.
- If a shirt costs \$40 and is 25% off, it costs \$30.
- A class has 20 students, and 60% passed the test, so 12 students passed.

MEMORY TIPS

- ★ Remember 'per cent' means 'for each hundred'.
- ★ Think of percentages as slices of a pie, where 100% is the whole pie.
- ★ Use the phrase 'part over whole' to remember how to calculate percentages.

COMMON MISTAKES

- ✗ Confusing percent with decimal values.
- ✗ Forgetting to multiply by 100 when converting to percent.
- ✗ Not simplifying fractions before finding percentages.

QUICK RECAP

Percentages represent parts out of 100 and are useful in daily life. Remember to multiply and divide correctly to find or convert percentages. Practice with real-life examples to strengthen your understanding.