



Effective Questioning

Effective questioning is a critical skill used by teachers to engage and assess students during the learning process. Students also need opportunities to use effective questioning to promote critical thinking and encourage self-assessment. Get It Guide Math Tutorials use effective questioning strategies to help students engage in the learning process. Our focus is helping students improve while they are still gaining knowledge and practicing skills.

Effective questioning...

- Encourages deep learning and understanding
- Helps students connect previous knowledge to new experiences
- Helps students assess their understanding and identify gaps in knowledge that will prevent them from solving a math problem successfully

How do I write a mixed number as an improper fraction?

Could I use a number line to help solve?

What's an equivalent fraction?

Can I show how two fractions are equivalent?

What does simplest form look like?

Do I multiply or divide to find the GCF?

How would I subtract two integers?

$$-8 \frac{3}{4} - \left(2 \frac{1}{2} \right)$$

Why do I just subtract my numerators?

Why do I need common denominators?

How do I choose my LCD?

What are multiples of a number?

What does it mean... whatever I do to the bottom I also do to the top?

What does add the opposite look like?

How do I determine the sum of two integers?

What am I doing when I simplify?

Hmmm... factors of a number?

Algebra - Combining Like Terms

SELECT YOUR TOPIC

Let's change our expression by rewriting some of the addition operations as subtraction. How might this adjustment influence identifying the like terms?

$$12n - 7 - 5n + 4$$

Algebra - Combining Like Terms

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In what ways are your solutions for simplifying each expression different?

$$12n + 7 + 5n + 4$$

$$12n - 7 - 5n + 4$$



Algebra - Combining Like Terms

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A student is going to simplify this expression by combining the like terms. What calculation error could the student make by not understanding $-n$ is $-1n$?

$$12n^2 + 5n^2 - 7n - n$$

