Using Mental Math Strategies to Deepen Number Sense





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Why Mental Math

Mental math...

 Develops and solidifies understanding of place value 38 x 40 =

• Builds a deep understanding of the distributive property

25 x 16=

• Develops flexibility with numbers 28 x 25 =

• It's tons of FUN!

Math Sprint

Start with the number of days in a leap year, subtract the number of months in a year, subtract the number of days in January, and add the number of days in a week.

Mental Math Strategies

Make Ten 9 + 4 =

67 + 8 =

67 + 28 =

197 + 28 =

Subtract from a Ten

13 – 8 =

Double Subtraction

13 – 8 =

43 – 8 =

Subtract Using Compensation

143 – 98 =

Fact Fluency

Fact fluency is the ability to efficiently apply a strategy and/or recall from memory basic facts.

Teach strategies for basic facts. Memorization is not a strategy!

Sample Lesson

List and build the easy facts for multiplying by 8.

Multiply by decomposing

48 x 3 =

Multiply by the Closest Ten

48 x 3 =

Divide using Multiples

51÷3=