# 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=