

# MATH SKETCH NOTES

## PROPERTIES of ADDITION

8

Set 3

### ADDEND

A number which is added to another:  $4 + 6 = 10$   
*4 and 6 are addends.*

### SUM

A total found by adding two or more addends:  $4 + 6 = 10$   
*10 is the sum of 4 and 6.*

### COMMUTATIVE PROPERTY

No matter what order you add the numbers (addends) the answer (sum) is the same.

$$\begin{array}{c} \text{●} \quad \text{○} \quad \text{○} \quad \text{●} \\ \text{●} + \text{●} = \text{●} + \text{●} \\ \text{●} + \text{●} = \text{●} + \text{●} \\ \underline{4} + \underline{3} = \underline{3} + \underline{4} \\ \underline{7} = \underline{7} \end{array}$$

### ASSOCIATIVE PROPERTY

No matter how you group the numbers (addends), the answer (sum) is the same.

$$\begin{array}{c} \text{○} \quad \text{●} \quad \text{○} \quad \text{○} \quad \text{○} \quad \text{○} \\ \text{●} + \text{●} + \text{●} = \text{●} + \text{●} + \text{●} \\ \text{●} + \text{●} + \text{●} = \text{●} + \text{●} + \text{●} \\ \text{○} + \text{○} + \text{○} = \text{○} + \text{○} + \text{○} \\ \underline{(4 + 6) + 2} = \underline{4 + (6 + 2)} \\ \underline{10 + 2} = \underline{4 + 8} \\ \underline{12} = \underline{12} \end{array}$$

### IDENTITY PROPERTY

When you add zero to a number, the answer (sum) is the number.

$$\begin{array}{c} \text{●} \quad \text{○} \quad \text{○} \quad \text{○} \quad \text{○} \quad \text{○} \\ \text{●} + \text{○} = \text{●} + \text{○} = \text{●} + \text{○} \\ \text{●} + \text{○} = \text{●} + \text{○} \\ \text{●} + \text{○} = \text{●} + \text{○} \\ \underline{6} + \underline{0} = \underline{6} \quad \underline{0} + \underline{6} = \underline{6} \end{array}$$

GRADE 3



## PROPERTIES of ADDITION 8 Set 3

| ADDEND                                                                                                              | SUM                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| A number which is added to another: $4 + 6 = 10$<br><i>4 and 6 are addends.</i>                                     | A total found by adding two or more addends: $4 + 6 = 10$<br><i>10 is the sum of 4 and 6.</i>                   |
| <b>COMMUTATIVE PROPERTY</b><br>No matter what order you add the numbers (addends) the answer (sum) is the same.<br> | <b>ASSOCIATIVE PROPERTY</b><br>No matter how you group the numbers (addends), the answer (sum) is the same.<br> |

## PROPERTIES of ADDITION 8 Set 3

| ADDEND                                                                                                              | SUM                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| A number which is added to another: $4 + 6 = 10$<br><i>4 and 6 are addends.</i>                                     | A total found by adding two or more addends: $4 + 6 = 10$<br><i>10 is the sum of 4 and 6.</i>                   |
| <b>COMMUTATIVE PROPERTY</b><br>No matter what order you add the numbers (addends) the answer (sum) is the same.<br> | <b>ASSOCIATIVE PROPERTY</b><br>No matter how you group the numbers (addends), the answer (sum) is the same.<br> |

2 SIZES: STANDARD US 8.5 × 11  
& COMPOSITION NOTEBOOK



zero to a number, the answer (sum) is the number.

|             |             |             |
|-------------|-------------|-------------|
| $6 + 0 = 6$ | $0 + 5 = 5$ | $3 + 0 = 3$ |
|-------------|-------------|-------------|

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answer (sum) is the number.

|             |             |             |
|-------------|-------------|-------------|
| $6 + 0 = 6$ | $0 + 5 = 5$ | $3 + 0 = 3$ |
|-------------|-------------|-------------|

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# STEP-BY-STEP POWERPOINT

## PROPERTIES of ADDITION 8

### ADDEND

A number which is added to another:  $4 + 6 = 10$   
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### SUM

A total found by adding two or more addends:  $4 + 6 = 10$   
*10 is the sum of 4 and 6.*

### ASSOCIATIVE

No matter how you group the numbers the answer (sum) is the same.

$$\begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} + \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} = \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} + \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array} + \begin{array}{c} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

$$\begin{array}{r} 4 + 3 = 3 + 4 \\ 7 = 7 \end{array} \quad \begin{array}{r} (4 + 6) + 2 = 4 + (6 + 2) \\ 10 + 2 = 4 + 8 \\ 12 = 12 \end{array}$$

### IDENTITY PROPERTY

When you add zero to a number, the answer (sum) is the number.

$$6 + 0 = 6 \quad 0 + 5 = 5 \quad 3 + 0 = 3$$

MacBook Pro

# PROPERTIES of ADDITION

8

Set 3

## ADDEND

A number which is added to another:  $4 + 6 = 10$   
4 and 6 are addends.

## SUM

A total found by adding two or more addends:  $4 + 6 = 10$   
10 is the sum of 4 and 6.

## COMMUTATIVE PROPERTY

No matter what order you add the numbers (addends) the answer (sum) is the same.

$$\begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 4 \end{array} + \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 3 \end{array} = \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 7 \end{array}$$

$$\begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 7 \end{array} = \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 7 \end{array}$$

## ASSOCIATIVE PROPERTY

No matter how you group the numbers (addends), the answer (sum) is the same.

$$\left[ \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \end{array} \right] + \left[ \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \end{array} \right] = \left[ \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \end{array} \right] + \left[ \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \end{array} \right]$$

# DETAILED ANSWER KEY

## IDENTITY PROPERTY

When you add zero to a number, the answer (sum) is the number.

$$\begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 6 \end{array} + \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 0 \end{array} = \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 6 \end{array}$$

$$\begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 0 \end{array} + \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 5 \end{array} = \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 5 \end{array}$$

$$\begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 3 \end{array} + \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 0 \end{array} = \begin{array}{r} \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ \bigcirc \\ 3 \end{array}$$

# MATH SKETCH NOTES

## MATH SKETCH NOTES

These 3rd-grade math sketch notes (AKA doodle pages) are a powerful learning and teaching tool. They cover essential math concepts and procedures for students in a visually appealing way. You can use this resource to supplement any math curriculum, and they are perfect for previewing/pre-teaching or reviewing/reinforcing.

These sketch pages are like mini anchor charts that your students actively create and can be referred to in the future.

## WHAT'S INCLUDED:

- Blank student note page  
(two sizes: 8.5 x 11 & composition notebook size for INBs)
- Detailed answer key
- Step-by-step PowerPoint

## GUIDED NOTE-TAKING

Guiding your students through the note-taking process is so easy and requires almost zero preparation!

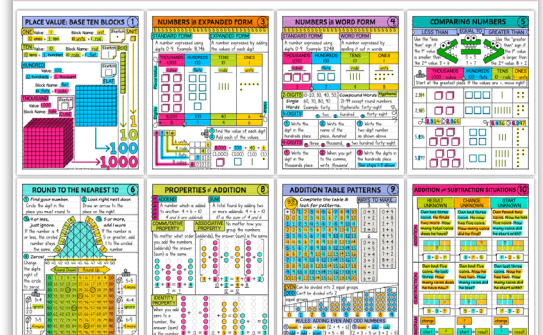
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

## WHY SKETCH?

Sketch notes present your students with a meaningful and engaging activity they will love. Doodle note-taking activates verbal and visual modalities to capture concepts. The whole brain is absorbed in hearing, synthesizing, and retaining ideas. This high level of engagement helps students retain the content and leaves little room for distraction.

**GET THE BUNDLE!!!**

## THIRD GRADE MATH GUIDED SKETCH NOTES



**GROWING BUNDLE!!!**