

MATH SKETCH NOTES

COMMUTATIVE PROPERTY

18
Set 3

Fun Fact *Commutare* is a Latin verb that means "to switch" or "to swap."



Latin verb that

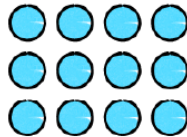
means "to switch" or

"to swap." $2 \times 3 = 3 \times 2$

of MULTIPLICATION

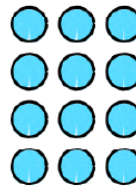
The order in which the factors are multiplied does not change the product. You can "swap" or "switch" the factors.

ARRAYS



$$3 \times 4 = 12$$

3 rows of 4



$$4 \times 3 = 12$$

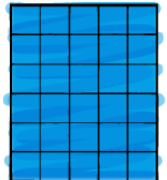
4 rows of 3

AREA MODELS



$$5 \times 6 = 30$$

5 rows of 6



$$6 \times 5 = 30$$

6 rows of 5

EQUAL GROUPS



$$4 \times 8 = 32$$

4 groups of 8

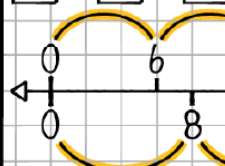


$$8 \times 4 = 32$$

8 groups of 4

NUMBER LINES

$$8 \times 6 = 48$$



8 jumps of 6

$$6 \times 8 = 48$$



6 jumps of 8

GRADE 3



COMMUTATIVE PROPERTY of MULTIPLICATION

18 Set 3

Fun Fact Commutare is a Latin verb that means "to switch" or "to swap." $2 \times 3 = 3 \times 2$

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ARRAYS

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3 rows of 4

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AREA MODELS

$5 \times 6 = 30$
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6 rows of 5

COMMUTATIVE PROPERTY of MULTIPLICATION

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3 rows of 4

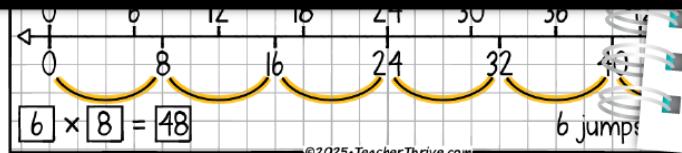
$4 \times 3 = 12$
4 rows of 3

AREA MODELS

$5 \times 6 = 30$
5 rows of 6

$6 \times 5 = 30$
6 rows of 5

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



STEP-BY-STEP POWERPOINT

COMMUTATIVE PROPERTY

18

Fun Fact *Commutare* is a Latin verb that means "to switch" or "to swap".

$$2 \times 3 = 3 \times 2$$

of MULTIPLICATION

The order in which the factors are multiplied does not change the product. You can "swap" or "switch" the factors.

AREA MODELS



$$6 \times 6 = 36$$

rows of 6



$$6 \times 5 = 30$$

6 rows of 5

GROUPS



$$4 \times 8 = 32$$

4 groups of 8

$$8 \times 4 = 32$$

8 groups of 4

NUMBER LINES

$$8 \times 6 = 48$$



8 jumps of 6

$$6 \times 8 = 48$$

6 jumps of 8

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MacBook Pro

COMMUTATIVE PROPERTY

18

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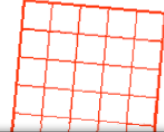
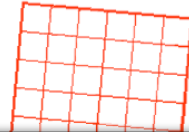
ARRAYS



$$3 \times 4 = 12$$

3 rows of 4

AREA MODELS



DETAILED ANSWER KEY



$$4 \times 8 = 32$$

4 groups of 8

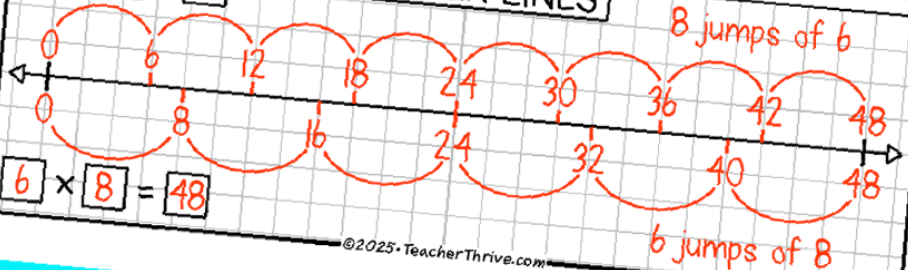


$$8 \times 4 = 32$$

8 groups of 4

$$8 \times 6 = 48$$

NUMBER LINES



$$6 \times 8 = 48$$

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 × 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!

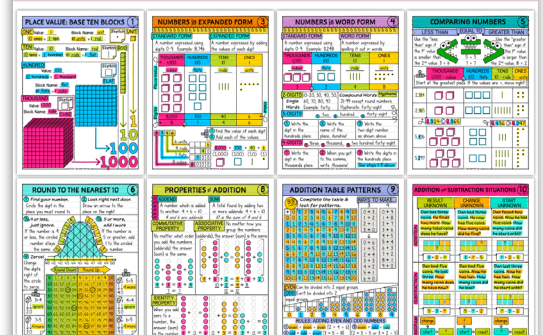
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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!!!

Helping teachers thrive in the classroom

Teacher THRIVE

Thank you for downloading this resource! There is nothing more rewarding to me than creating resources that make teachers' jobs easier.

Also, thank you for all that you do with our most precious resource—children! Your job is far from easy, so anything I can do to help you brings me great joy. Please feel free to email me anytime with questions, feedback, or comments.

Melissa Tallman
info@teacherthrive.com

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