

MATH SKETCH NOTES

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These 4th-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

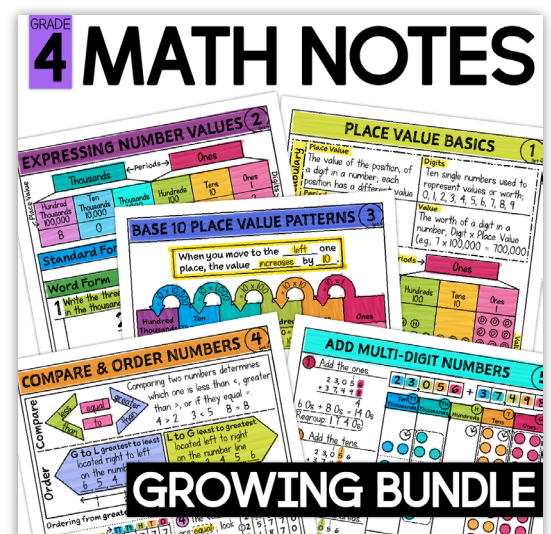
Guiding your students through the note-taking process is so easy and requires almost zero preparation!

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!!!



MATH NOTES

EXPRESSING NUMBER VALUES 2

Place Value ↓	Thousands			←Periods→			Ones			Digits ↙
	Hundred Thousands 100,000	Ten Thousands 10,000	Thousands 1,000	Hundreds 100	Tens 10	Ones 1				
	8	0	6	1	7	2				

Standard Form

a number expressed using digits 0-9

806,172

Word Form

a number expressed by spelling it out in words

1 Write the three-digit number in the thousands period.

2 When you get to the comma, write the period.

3 Write the three-digit number in the ones period.

① eight hundred six ② thousand, ③ one hundred seventy-two

④ Don't use *and* for whole numbers. *And* is only for decimal numbers.

Hyphenating Numbers

Use a hyphen when writing out compound numbers. E.g., 21 = twenty-one 56 = fifty-six

Expanded Form

a number expressed using the values of each digit added together

(8 × 100,000) + (0 × 10,000) + (6 × 1,000) + (1 × 100) + (7 × 10) + (2 × 1)

800,000 + 6,000 + 100 + 70 + 2

GRADE 4

EXPRESSING NUMBER VALUES 2

Thousands			Ones		
Hundred Thousands 100,000	Ten Thousands 10,000	Thousands 1,000	Hundreds 100	Tens 10	Ones 1
8	0	6	1	7	2

Standard Form a number expressed using digits 0-9 806,172

Word Form a number expressed spelling it out in words

1 Write the three-digit number in the thousands period.

2 When you get to the comma, write the period.

EXPRESSING NUMBER VALUES 2

Thousands			Ones		
Hundred Thousands 100,000	Ten Thousands 10,000	Thousands 1,000	Hundreds 100	Tens 10	Ones 1
8	0	6	1	7	2

Standard Form a number expressed using digits 0-9 806,172

Word Form a number expressed spelling it out in words

1 Write the three-digit number in the thousands period.

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK

values of each digit added

$$(8 \times 100,000) + (0 \times 10,000) + (6 \times 1,000) + (1 \times 100) + (7 \times 10) + (2 \times 1)$$

$$800,000 + 6,000 + 100 + 70 + 2$$

values of each digit added

$$800,000 + 6,000 + 100 + 70 + 2$$



STEP-BY-STEP POWERPOINT

EXPRESSING NUMBER VALUES 2

Thousands			Ones		
Hundred Thousands 100,000	Ten Thousands 10,000	Thousands 1,000	Hundreds 100	Tens 10	Ones 1
			1	7	2

←Periods→

Place Value

Digits

806,172

a number expressed by spelling it out in words

Write the three-digit number in the ones period.

① eight hundred six ② thousand, ③ one hundred seventy-two

Don't use and for whole numbers. And is only for decimal numbers.

Hyphenating Numbers Use a hyphen when writing out compound numbers. E.g., 21 = twenty-one 56 = fifty-six

Expanded Form a number expressed using the values of each digit added together

$(8 \times 100,000) + (6 \times 1,000) + (1 \times 100) + (7 \times 10) + (2 \times 1)$

$800,000 + 6,000 + 100 + 70 + 2$

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MacBook Pro

EXPRESSING NUMBER VALUES 2

Set 4

Thousands			Ones		
← Periods →					
Hundred Thousands 100,000	Ten Thousands 10,000	Thousands 1,000	Hundreds 100	Tens 10	Ones 1
8	0	6	1	7	2

Standard Form

a number expressed using digits 0-9 806,172

Word Form

1 Write the three-digit number in the thousands place. a number expressed using words

① eight hundred and six ② thousand, ③ one hundred seventy-two
 ④ Don't use and for whole numbers. And is only for decimal numbers.

Hyphenating Numbers

Use a hyphen when writing out compound numbers. E.g., 21 = twenty-one 56 = fifty-six

Expanded Form

a number expressed using the values of each digit added together

$$(8 \times 100,000) + (6 \times 1,000) + (1 \times 100) + (7 \times 10) + (2 \times 1)$$

$$800,000 + 6,000 + 100 + 70 + 2$$