

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

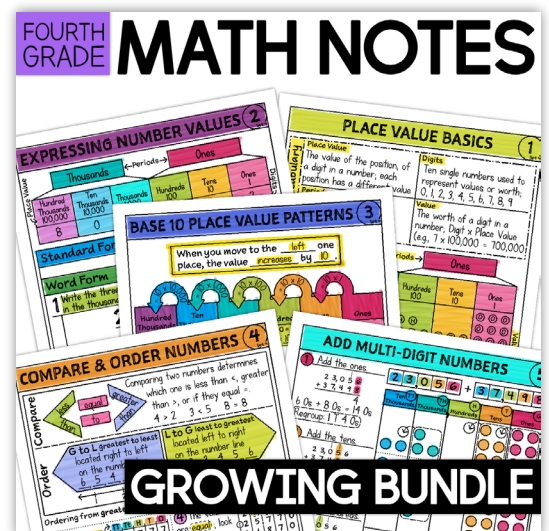
Guiding your students through the note-taking process is so easy and requires almost zero preparation!

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

PLACE VALUE BASICS

1
Set 4

Key Vocabulary

Place Value

The value of the position, of a digit in a number; each position has a different value

Period

A group of three-digit numbers separated by a comma

Digits

Ten single numbers used to represent values or worth; 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Value

The worth of a digit in a number; Digit $\times$ Place Value (e.g., $7 \times 100,000 = 700,000$)

Thousands			Ones		
←Periods→					
Hundred Thousands 100,000	Ten Thousands 10,000	Thousands 1,000	Hundreds 100	Tens 10	Ones 1
HT HT HT HT HT HT HT	TT	Th Th	H H H H H	T T T	O O O O O O O O O
700,000	10,000	2,000	500	30	9
7	1	2	5	3	9

Find the Value

To find the value of each digit in 32,879, multiply each digit by its place value.

3	2	8	7	9
30,000	2,000	800	70	9
$3 \times 10,000$	$2 \times 1,000$	8×100	7×10	9×1

GRADE 4

PLACE VALUE BASICS

1

Set 4

Key Vocabulary

Place Value

The value of the position, of a digit in a number; each position has a different value

Period

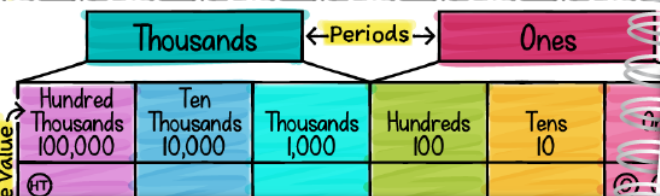
A group of three-digit numbers separated by a comma

Digits

Ten single numbers used to represent values or worth; 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Value

The worth of a digit in a number; Digit $\times$ Place Value (e.g., $7 \times 100,000 = 700,000$)



PLACE VALUE BASICS

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Key Vocabulary

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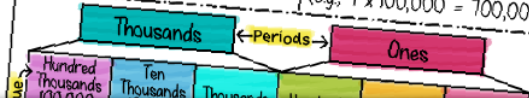
A group of three-digit numbers separated by a comma

Digits

Ten single numbers used to represent values or worth; 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Value

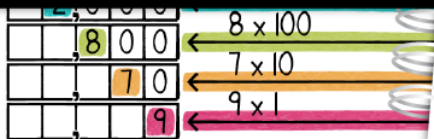
The worth of a digit in a number; Digit $\times$ Place Value (e.g., $7 \times 100,000 = 700,000$)



2 SIZES: STANDARD US 8.5 $\times$ 11
& COMPOSITION NOTEBOOK

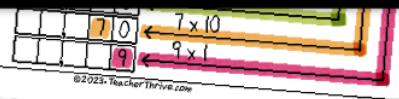


digit in 32,819,
multiply each
digit by its
place value.



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digit by its
place value.



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STEP-BY-STEP POWERPOINT

PLACE VALUE BASICS 1

Place Value
The value of the position, of a digit in a number; each position has a different value

Digits
Ten single numbers used to represent values or worth; 0, 1, 2, 3, 4, 5, 6, 7, 8, 9

Value
The worth of a digit in a number; Digit $\times$ Place Value
e.g., $7 \times 100,000 = 700,000$

Thousands	Hundreds	Tens	Ones
1000	100	10	1
(H)	(H)	(T)	(O)
700,000	10,000	2,000	500
7	1	2	5
			30
			3
			9

Find the Value
To find the value of each digit in 32,879, multiply each digit by its place value.

Digit	Place Value	Value
3	10,000	$3 \times 10,000$
2	1,000	$2 \times 1,000$
8	100	8×100
7	10	7×10
9	1	9×1

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PLACE VALUE BASICS

1
Set 4

Key Vocabulary

Place Value

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Digits

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Period

A group of three-digit numbers separated by a comma

Value

The worth of a digit in a number; Digit x Place Value (e.g. $7 \times 100,000 = 700,000$)

Thousands			← Periods →			Ones		
Hundred Thousands	Ten Thousands	Thousands	Hundred	Ten	Ones	Hundred	Ten	Ones
100,000	10,000	1,000	100	10	1	100	10	1
HT	TT	Th	H	T	O	H	T	O
HT	HT	HT	HT	HT	HT	HT	HT	HT
700,000	10,000	2,000	500	30	9			
7	1	2	5	3	9			

DETAILED ANSWER KEYS

Find the Value

To find the value of each digit in 32,879, multiply each digit by its place value.

3	0	0	0	0
2	0	0	0	
	8	0	0	
		7	0	
			9	

$3 \times 10,000$
 $2 \times 1,000$
 8×100
 7×10
 9×1

32,879