

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

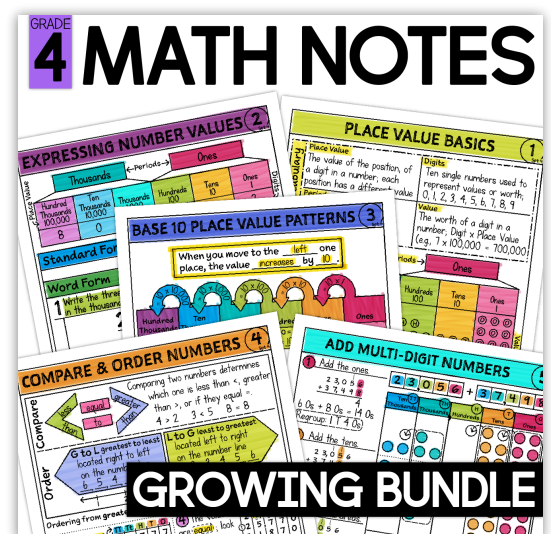
Guiding your students through the note-taking process is so easy and requires almost zero preparation!

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.

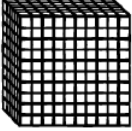
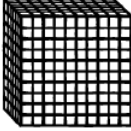
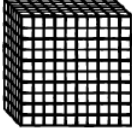
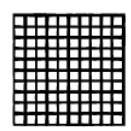
GET THE BUNDLE!!!



MATH NOTES

BASE 10 PLACE VALUE PATTERNS 3 Set H

When you move to the left one place, the value increases by 10.

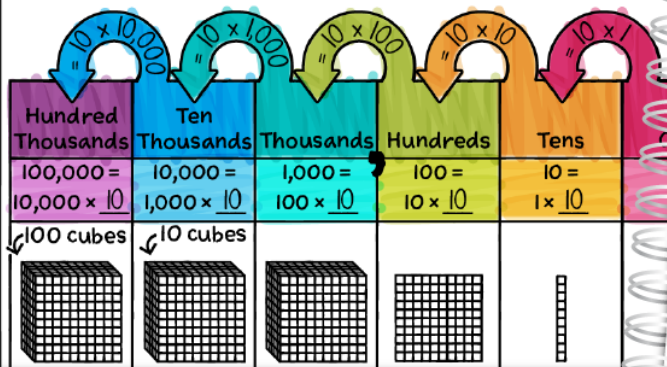
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
100,000 = $10,000 \times 10$	10,000 = $1,000 \times 10$	1,000 = 100×10	100 = 10×10	10 = 1×10	
100 cubes 	10 cubes 	1 cube 	flat 	long 	unit 
100,000	10,000	1,000	100	10	1
100 cubes	10 cubes	cube	flat	long	unit
$100,000 \div 10$ = 10,000	$10,000 \div 10$ = 1,000	$1,000 \div 10$ = 100	$100 \div 10$ = 10	$10 \div 10$ = 1	
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

When you move to the right one place, the value decreases by 10.

GRADE 4

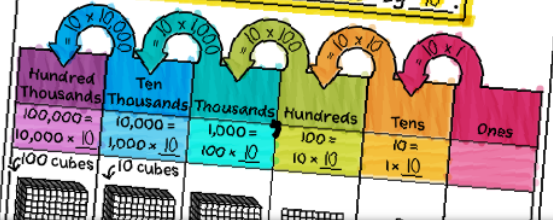
BASE 10 PLACE VALUE PATTERNS 3

When you move to the left one place, the value increases by 10.



BASE 10 PLACE VALUE PATTERNS 3

When you move to the left one place, the value increases by 10.



2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



When you move to the right one place, the value decreases by 10.

When you move to the right one place, the value decreases by 10.

When you move to the left one place, the value increases by 10.

The image shows a place value chart with columns for Ones, Tens, and Hundreds. Above the chart are three curved arrows representing multiplication by 10: from Ones to Tens ($\times 10$), from Tens to Hundreds ($\times 10$), and from Hundreds to a fourth column ($\times 10$). Below the chart are three curved arrows representing division by 10: from Hundreds to Tens ($\div 10$), from Tens to Ones ($\div 10$), and from Ones to a zero column ($\div 10$).

Hundreds	Tens	Ones
100 = 10×10	10 = 1×10	
100 cubes	10 cubes	cube
100,000 ÷ 10 = 10,000	10,000 ÷ 10 = 1,000	1,000 ÷ 10 = 100
100 ÷ 10 = 10	10 ÷ 10 = 1	
Hundred Thousands	Ten Thousands	Thousands
flat	long	unit
100,000 ÷ 10 = 10,000	10,000 ÷ 10 = 1,000	1,000 ÷ 10 = 100
100 ÷ 10 = 10	10 ÷ 10 = 1	
Hundreds	Tens	Ones

When you move to the **right** one place, the value **decreases** by **10**.

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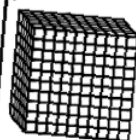
MacBook Pro

BASE 10 PLACE VALUE PATTERNS 3

Set 4

When you move to the left one place, the value increases by 10.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
$100,000 =$ $10,000 \times 10$	$10,000 =$ $1,000 \times 10$	$1,000 =$ 100×10	$100 =$ 10×10	$10 =$ 1×10	
100 cubes	10 cubes				



100,000

100 cubes

$100,000 \div 10 = 10,000$

Hundred Thousands

$10,000 \div 10 = 1,000$

Ten Thousands

$1,000 \div 10 = 100$

Thousands

$100 \div 10 = 10$

Hundreds

$10 \div 10 = 1$

Tens

$1 \div 10 =$

Ones

DETAILED ANSWER KEY

When you move to the right one place, the value decreases by 10.