

MATH SKETCH NOTES

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These 5th-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!

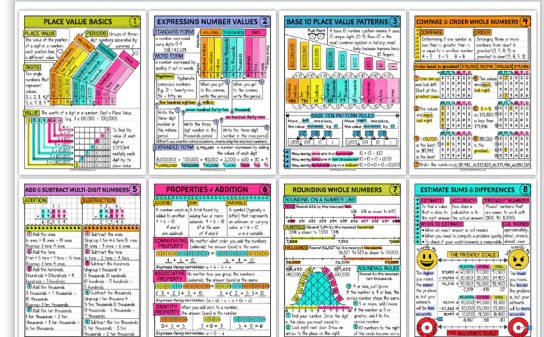
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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!!!

FIFTH GRADE MATH GUIDED SKETCH NOTES



GROWING BUNDLE

MATH SKETCH NOTES

MULTIPLY BY POWERS OF 10

10⁰

Set 5

[Whole Numbers]

Ten Thousands	Thousands	Hundreds	Tens	Ones
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$$74 \times 1 = 74$$

$$74 \times 10 = 740$$

$$74 \times 100 = 7,400$$

$$74 \times 1,000 = 74,000$$

$$\times 10^4 \quad [10,000]$$

$$74 \times 10,000 = 740,000$$

Each digit shifts
left 4 places

$$\times 10^3 \quad [1,000]$$

$$74 \times 1,000 = 74,000$$

Each digit shifts
left 3 places

$$\times 10^2 \quad [100]$$

$$74 \times 100 = 7,400$$

Each digit shifts
left 2 places

M H T T T H H T O

$$38 \times 10^0 =$$

$$38 \times 10^1 =$$

$$38 \times 10^2 =$$

$$38 \times 10^3 =$$

$$38 \times 10^4 =$$

$$529 \times 10^0 =$$

$$529 \times 10^1 =$$

$$529 \times 10^2 =$$

$$529 \times 10^3 =$$

$$529 \times 10^4 =$$

M H T T T H H T O

$$529 \times 10^0 =$$

$$529 \times 10^1 =$$

$$529 \times 10^2 =$$

$$529 \times 10^3 =$$

$$529 \times 10^4 =$$

$$4 \times 10^0 = 4$$

$$4 \times 10^1 = 40$$

$$4 \times 10^2 = 400$$

$$4 \times 10^3 = 4,000$$

$$612 \times 10^1 = 6,120$$

$$612 \times 10^2 = 61,200$$

$$612 \times 10^3 = 612,000$$

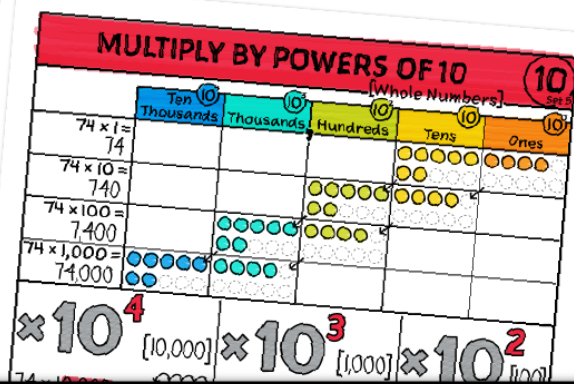
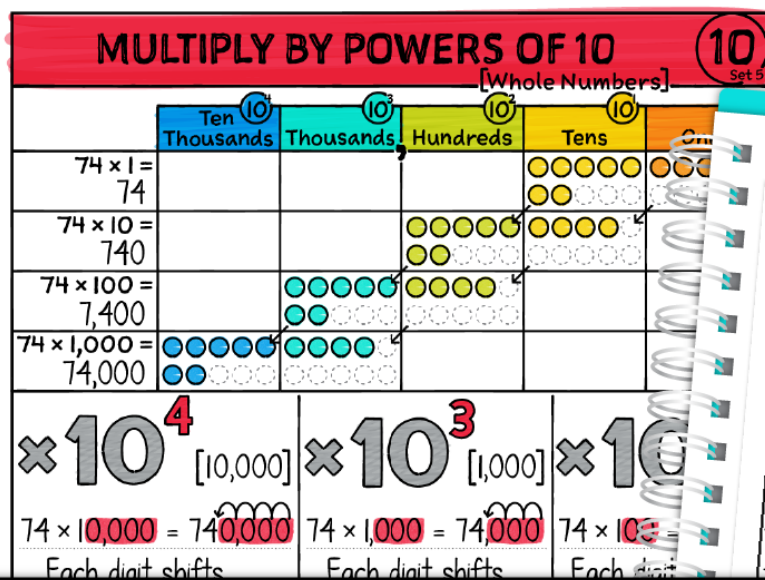
$$612 \times 10^4 = 6,120,000$$

$$81 \times 10^2 = 8,100$$

$$81 \times 10^3 = 81,000$$

GRADE

GRADE 5



**2 SIZES: STANDARD US 8.5 × 11
& COMPOSITION NOTEBOOK**



$4 \times 10^0 = 4$	$612 \times 10^1 = 6,120$	$81 \times 10^2 = 8,100$
$4 \times 10^1 = 40$	$612 \times 10^2 = 61,200$	$81 \times 10^3 = 81,000$
$4 \times 10^2 = 400$	$612 \times 10^3 = 612,000$	$81 \times 10^4 = 810,000$
$4 \times 10^3 = 4,000$	$612 \times 10^4 = 6,120,000$	$81 \times 10^5 = 8,100,000$
		$81 \times 10^6 = 81,000,000$

STEP-BY-STEP POWERPOINT

MULTIPLY BY POWERS OF 10				
[Whole Numbers]				
Ten Thousands	Thousands	Hundreds	Tens	Ones
74 × 1 =				
74				
74 × 10 =				
740				

$74 \times 10^3 = 74,000$
 shifts 3 places
 $74 \times 10^2 = 7,400$
 Each digit shifts left 2 places

	M	H	T	Th	H	T	O		M	H	T	Th	H	T	O
$38 \times 10^0 =$							38		$529 \times 10^0 =$						529
$38 \times 10^1 =$						38	0		$529 \times 10^1 =$				529	0	
$38 \times 10^2 =$					38	0	0		$529 \times 10^2 =$			529	0	0	
$38 \times 10^3 =$				38	0	0	0		$529 \times 10^3 =$		529	0	0	0	
$38 \times 10^4 =$		38	0	0	0	0	0		$529 \times 10^4 =$	529	0	0	0	0	

$4 \times 10^0 = 4$	$612 \times 10^1 = 6,120$	$81 \times 10^2 = 8,100$
$4 \times 10^1 = 40$	$612 \times 10^2 = 61,200$	$81 \times 10^3 = 81,000$
$4 \times 10^2 = 400$	$612 \times 10^3 = 612,000$	$81 \times 10^4 = 810,000$
$4 \times 10^3 = 4,000$	$612 \times 10^4 = 6,120,000$	$81 \times 10^5 = 810,000$

MacBook Pro

10
Set

Set 5

Whole Numbers

	Ten 10^1	Thousands 10^3	Hundreds 10^2	Tens 10^1	Ones 10^0
$74 \times 1 =$ 74				○○○○	○○○
$74 \times 10 =$ 740			○○○○	○○	○○○○○○○○
$74 \times 100 =$ 7,400		○○○○	○○○○	○○○○	
$74 \times 1,000 =$ 74,000	○○○○	○○○○			

$\times 10^4$

 $\times 10^4$ $[10.000] \times 10^3$

1102

$$74 \times 10,000 =$$

Each digit shift
left 4 places

DETAILED ANSWER KEY

$$38 \times 10^0 =$$
$$38 \times 10^1 =$$
$$38 \times 10^2 =$$
$$38 \times 10^3 =$$
$$38 \times 10^4 =$$
 $4 \times 10^0 =$
$$4 \times \underline{10^1} =$$
 $4 \times 10^2 =$
$$4 \times 10^3 =$$

100

$$612 \times 10^1 = 6120$$
$$612 \times 10^2 = 61.200$$
$$612 \times 10^3 = 612.00$$
$$612 \times 10^4 = \underline{6,120,000}$$

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$$529 \times 10^0 =$$
$$529 \times 10^1 =$$
$$529 \times 10^2 =$$
$$529 \times 10^3 =$$
$$529 \times 10^4 =$$

120

1,200

2,000	8
120,000	

20,000 | 8
Thrive.com

11				
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52

5	7	9
---	---	---

5	2	9	0
---	---	---	---

$$81 \times 10^2 = 8$$
$$81 \times \underline{10^3} = 81,$$
$$81 \times \underline{10^4} = 810,000$$
$$81 \times 10^5 = 8,100,000$$



Teacher
THRIVE