

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!

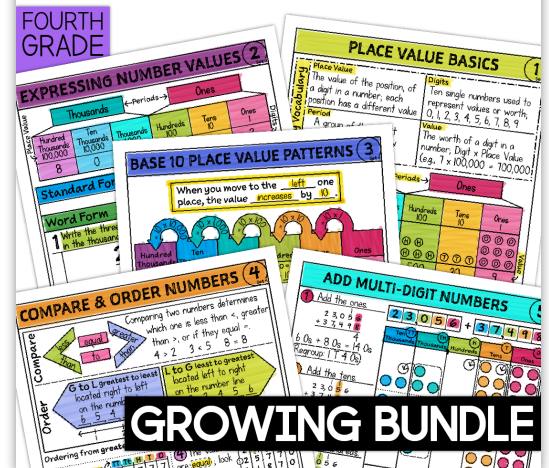
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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 SKETCH NOTES



MATH SKETCH NOTES

MULTIPLY BY POWERS OF 10 (23)

Set 4

	Ten ^{TT} Thousands	Thousands TH	Hundreds ^H	Tens ^T	Ones ^O
$23 \times 1 = 23$				● ●	● ● ●
$23 \times 10 = 230$			● ●	● ● ●	
$23 \times 100 = 2,300$		● ●	● ● ●		
$23 \times 1,000 = 23,000$	● ●	● ● ●			

$\times 1,000$

$$23 \times 1,000 = 23,000$$

1,000: Move each digit of the number 3 places to the left.

$\times 100$

$$23 \times 100 = 2,300$$

100: Move each digit of the number 2 places to the left.

$\times 10$

$$23 \times 10 = 230$$

10: Move each digit of the number 1 place to the left.

	HT	TT	TH	H	T	O
$83 \times 1 =$					8	3
$83 \times 10 =$				8	3	0
$83 \times 100 =$			8	3	0	0
$83 \times 1,000 =$	8	3	0	0	0	0

	HT	TT	TH	H	T	O
$256 \times 1 =$				2	5	6
$256 \times 10 =$			2	5	6	0
$256 \times 100 =$		2	5	6	0	0
$256 \times 1,000 =$	2	5	6	0	0	0

$$8 \times 10 = 80$$

$$8 \times 100 = 800$$

$$8 \times 1,000 = 8,000$$

$$8 \times 10,000 = 80,000$$

$$35 \times 10 = 350$$

$$35 \times 100 = 3,500$$

$$35 \times 1,000 = 35,000$$

$$35 \times 10,000 = 350,000$$

$$127 \times 10 = 1,270$$

$$127 \times 10,000 = 1,270,000$$

GRADE 4

MULTIPLY BY POWERS OF 10 (23)

	Ten ^{TT} Thousands	Thousands TH	Hundreds ^H	Tens ^T	Ones ^O
$23 \times 1 = 23$				● ●	●
$23 \times 10 = 230$			● ●	● ●	
$23 \times 100 = 2,300$		● ●	● ● ●		
$23 \times 1,000 = 23,000$	● ●	● ● ●			

$\times 1,000$

$$23 \times 1,000 = 23,000$$

1,000: Move each digit

$\times 100$

$$23 \times 100 = 2,300$$

100: Move each

$\times 10$

$$23 \times 10 = 230$$

10: Move

MULTIPLY BY POWERS OF 10 (23)

	Ten ^{TT} Thousands	Thousands TH	Hundreds ^H	Tens ^T	Ones ^O
$23 \times 1 = 23$				● ●	●
$23 \times 10 = 230$			● ●	● ●	
$23 \times 100 = 2,300$		● ●	● ● ●		
$23 \times 1,000 = 23,000$	● ●	● ● ●			

$\times 1,000$

$$23 \times 1,000 = 23,000$$

$\times 100$

$$23 \times 100 = 2,300$$

$\times 10$

$$23 \times 10 = 230$$

2 SIZES: STANDARD US 8.5 × 11
& COMPOSITION NOTEBOOK



$8 \times 10 = 80$	$35 \times 10 = 350$	$127 \times 10 = 1,270$
$8 \times 100 = 800$	$35 \times 100 = 3,500$	$127 \times 100 = 12,700$
$8 \times 1,000 = 8,000$	$35 \times 1,000 = 35,000$	$127 \times 1,000 = 127,000$
$8 \times 10,000 = 80,000$	$35 \times 10,000 = 350,000$	$127 \times 10,000 = 1,270,000$

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$8 \times 1,000 = 8,000$	$35 \times 1,000 = 35,000$	$127 \times 1,000 = 127,000$
$8 \times 10,000 = 80,000$	$35 \times 10,000 = 350,000$	$127 \times 10,000 = 1,270,000$

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STEP-BY-STEP POWERPOINT

MULTIPLY BY POWERS OF 10					23
	Ten Thousands	Thousands	Hundreds	Tens	Ones
$23 \times 1 =$				2	3
$23 \times 10 =$			2	3	0
			2	3	0

23	$\times 10$	
23		
2,300		

each number digit of the number
10: Move each digit of the number
2 places to the left. 1 place to the left.

HT	TT	TH	H	T	O
8	3				
8	3				
8	3				
8	3				

256	$\times 1 =$				
256					
2,560					
2,560					
2,560					

$8 \times 10 = 80$	$35 \times 10 = 350$	$127 \times 10 = 1,270$
$8 \times 100 = 800$	$35 \times 100 = 3,500$	$127 \times 100 = 12,700$
$8 \times 1,000 = 8,000$	$35 \times 1,000 = 35,000$	$127 \times 1,000 = 127,000$
$8 \times 10,000 = 80,000$	$35 \times 10,000 = 350,000$	$127 \times 10,000 = 1,270,000$

MacBook Pro

MULTIPLY BY POWERS OF 10 (23)

	Ten (TT)	Thousands (TH)	Hundreds (H)	Tens (T)	Ones (O)
$23 \times 1 = 23$					
$23 \times 10 = 230$				○ ○	○ ○ ○
$23 \times 100 = 2,300$		○ ○	○ ○ ○	○ ○ ○	
$23 \times 1,000 = 23,000$	○ ○	○ ○ ○			

$\times 1,000$ $\times 100$ $\times 10$

$23 \times 1,000 =$

1,000: Move the number to the left.

DETAILED ANSWER KEY

$83 \times 1 =$	HT	T	TH	H	T	O
$83 \times 10 =$		8	3			
$83 \times 100 =$		8	3	0		
$83 \times 1,000 =$		8	3	0	0	

$256 \times 1 =$	HT	T	TH	H	T	O
$256 \times 10 =$		2	5	6		
$256 \times 100 =$		2	5	6	0	
$256 \times 1,000 =$		2	5	6	0	0

$8 \times 10 = 80$	$35 \times 10 = 350$	$127 \times 10 = 1,270$
$8 \times 100 = 800$	$35 \times 100 = 3,500$	$127 \times 100 = 12,700$
$8 \times 1,000 = 8,000$	$35 \times 1,000 = 35,000$	$127 \times 1,000 = 127,000$
$8 \times 10,000 = 80,000$	$35 \times 10,000 = 350,000$	$127 \times 10,000 = 1,270,000$