

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!

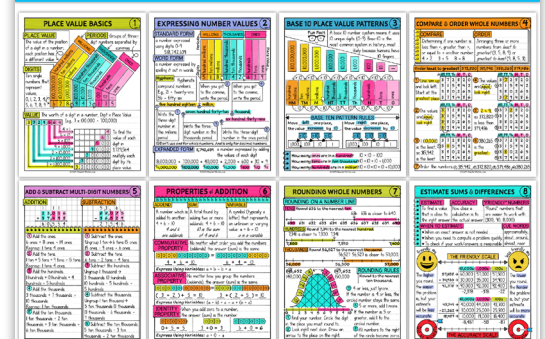
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

Helping teachers thrive in the classroom

Teacher THRIVE

Thank you for downloading this resource! There is nothing more rewarding to me than creating resources that make teachers' jobs easier.

Also, thank you for all that you do with our most precious resource—children! Your job is far from easy, so anything I can do to help you brings me great joy. Please feel free to email me anytime with questions, feedback, or comments.

Melissa Tallman
info@teacherthrive.com

CONNECT WITH TEACHER THRIVE ONLINE!



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MATH SKETCH NOTES

2-DIGIT DIVISOR LONG DIVISION

22

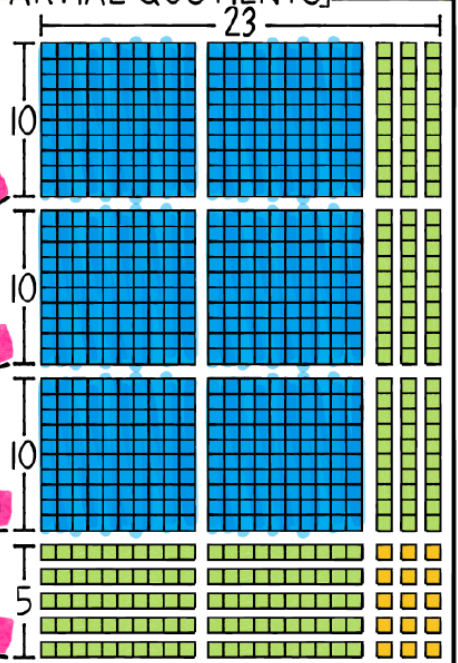
[PARTIAL QUOTIENTS]

Set 5

1 Easy multiples of the divisor.

$$\begin{array}{ll} 1 \times 23 = 23 & 10 \times 23 = 230 \\ 2 \times 23 = 46 & 20 \times 23 = 460 \\ 5 \times 23 = 115 & 50 \times 23 = 1,150 \end{array}$$

23	805		
- 230		10	$23 \times 10 = 230$
575		+	
- 230		10	$23 \times 10 = 230$
345		+	
- 230		10	$23 \times 10 = 230$
115		+	
- 115		5	$23 \times 5 = 115$
0			



2 Subtract easy multiples until the difference is 0 or less than the divisor.

3 Add the partial quotients to get your final answer.

64	9,984		
- 6,400		100	$64 \times 100 = 6,400$
3,584		+	
- 3,200		50	$64 \times 50 = 3,200$
384		+	
- 320		5	$64 \times 5 = 320$
64		+	
- 64		1	
0			

$$\begin{array}{ll} 10 \times 64 = 640 & 100 \times 64 = 6,400 \\ 5 \times 64 = 320 & 50 \times 64 = 3,200 \end{array}$$

GRADE 5

2-DIGIT DIVISOR LONG DIVISION

22
Set 5

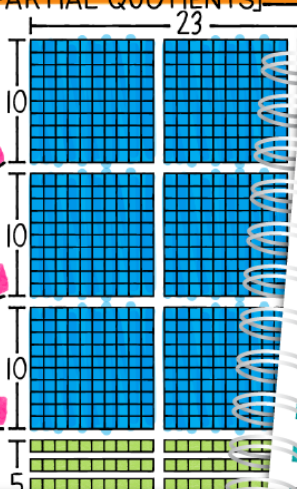
1 Easy multiples of the divisor.

$$1 \times 23 = 23 \quad 10 \times 23 = 230$$

$$2 \times 23 = 46 \quad 20 \times 23 = 460$$

$$5 \times 23 = 115 \quad 50 \times 23 = 1,150$$

35	
23 805	
- 230	10 $23 \times 10 = 230$
575	+
- 230	10 $23 \times 10 = 230$
345	+
- 230	10 $23 \times 10 = 230$
115	+
- 115	5 $23 \times 5 = 115$



2-DIGIT DIVISOR LONG DIVISION

22
Set 5

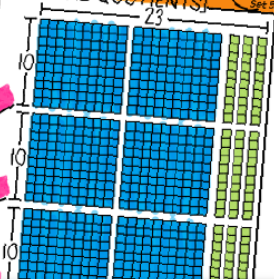
1 Easy multiples of the divisor.

$$1 \times 23 = 23 \quad 10 \times 23 = 230$$

$$2 \times 23 = 46 \quad 20 \times 23 = 460$$

$$5 \times 23 = 115 \quad 50 \times 23 = 1,150$$

35	
23 805	
- 230	10 $23 \times 10 = 230$
575	+
- 230	10 $23 \times 10 = 230$
345	+
- 230	10 $23 \times 10 = 230$
115	+
- 115	5 $23 \times 5 = 115$



2 SIZES: STANDARD US 8.5 × 11
& COMPOSITION NOTEBOOK



3 Add the partial quotients to get your final answer.

320	5 $64 \times 5 = 320$
64	+
- 64	1 $64 \times 1 = 64$
0	

to get your final answer.

64	+
- 64	1 $64 \times 1 = 64$
0	

TILES

STEP-BY-STEP POWERPOINT

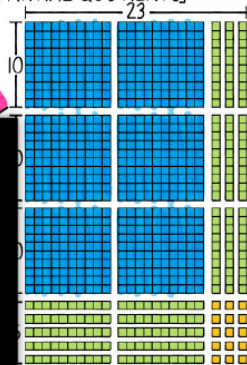
2-DIGIT DIVISOR LONG DIVISION

22
sets

1 Easy multiples of the divisor.

$$\begin{array}{ll} 1 \times 23 = 23 & 10 \times 23 = 230 \\ 2 \times 23 = 46 & 20 \times 23 = 460 \\ 5 \times 23 = 115 & 50 \times 23 = 1,150 \end{array}$$

[PARTIAL QUOTIENTS]



2 Subtract easy multiples until the difference is 0 or less than the divisor.

3 Add the partial quotients to get your final answer.

$$\begin{array}{r} 64 \overline{) 64984} \\ \underline{- 6400} \\ 3584 \\ \underline{- 3200} \\ 384 \\ \underline{- 320} \\ 64 \\ \underline{- 64} \\ 0 \end{array}$$

10 × 64 = 640 100 × 64 = 6,400
5 × 64 = 320 50 × 64 = 3,200
1 × 64 = 64

100
50
1

64 × 100 = 6,400
64 × 50 = 3,200
64 × 1 = 64

EASY MULTIPLES

MacBook Pro

2-DIGIT DIVISOR LONG DIVISION [PARTIAL QUOTIENTS]

22 Set 5

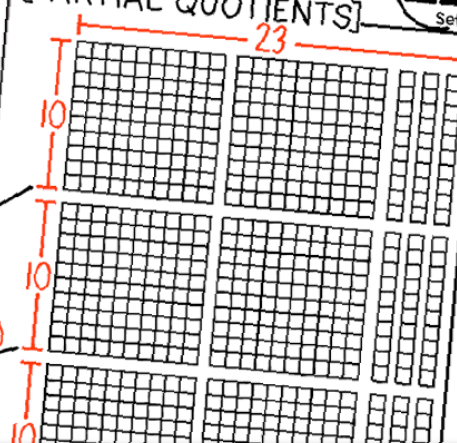
① Easy multiples of the divisor.

$$\begin{array}{ll} 1 \times 23 = 23 & 10 \times 23 = 230 \\ 2 \times 23 = 46 & 20 \times 23 = 460 \\ 5 \times 23 = 115 & 50 \times 23 = 1,150 \end{array}$$



$$\begin{array}{r} 35 \\ 23 \overline{) 805} \\ - 230 \\ \hline 575 \\ - 230 \\ \hline 345 \\ - 230 \\ \hline 115 \\ - 115 \\ \hline 0 \end{array}$$

$$\begin{array}{l} 10 \times 23 = 230 \\ + \\ 10 \times 23 = 230 \\ + \\ 5 \times 23 = 115 \\ \hline 805 \end{array}$$



DETAILED ANSWER KEY

② Subtract easy multiples until the difference is 0 or less than the divisor.

③ Add the partial quotients to get your final answer.

$$\begin{array}{r} 64 \overline{) 9,984} \\ - 6,400 \\ \hline 3,584 \\ - 3,200 \\ \hline 384 \\ - 320 \\ \hline 64 \\ - 64 \\ \hline 0 \end{array}$$

$$\begin{array}{ll} 5 \times 64 = 320 & 50 \times 64 = 3,200 \\ 100 \times 64 = 6,400 & 5 \times 64 = 320 \\ 1 \times 64 = 64 & \end{array}$$

EASY MULTIPLES