

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!

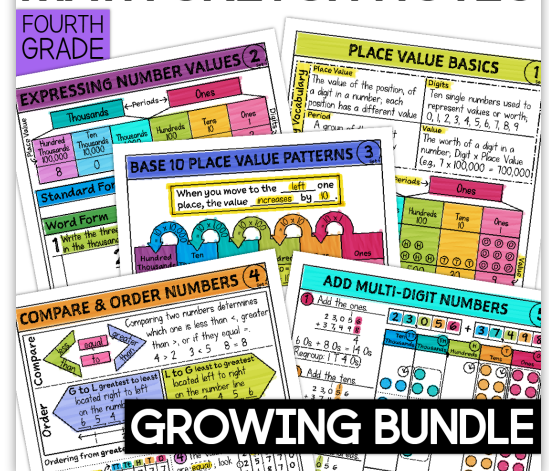
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

LONG DIVISION STANDARD ALGORITHM (30)

Set 4

How many groups of $\frac{8}{}$ are in $\frac{4}{}$? $\frac{0}{}$, so place a $\frac{0}{}$ in the quotient.

How many groups of $\frac{8}{}$ are in $\frac{45}{}$? $\frac{5}{}$, so place a $\frac{5}{}$ in the quotient.

D ÷

Divide

Multiply $\frac{5}{}$ and $\frac{8}{}$, which equals $\frac{40}{}$. Place this product under the $\frac{45}{}$.

M ×

Multiply

Subtract $\frac{40}{}$ from $\frac{45}{}$. Place the difference $\frac{5}{}$ below.

S -

Subtract

Bring down the $\frac{9}{}$ in the dividend, and place it next to the $\frac{5}{}$.

B ↓

Bring Down

Repeat the process until the difference is $\frac{0}{}$ or less than the divisor.

R ⌂

Repeat

$$\begin{array}{r}
 0574 \\
 8 \overline{) 4592} \\
 \underline{-40} \\
 59 \\
 \underline{-56} \\
 32 \\
 \underline{-32} \\
 0
 \end{array}$$

Repeat

D ÷ How many groups of $\frac{8}{}$ are in $\frac{59}{}$? $\frac{7}{}$

M × $\frac{7}{}$ × $\frac{8}{}$ = $\frac{56}{}$

S - $\frac{59}{}$ - $\frac{56}{}$ = $\frac{3}{}$

B ↓ Bring down $\frac{2}{}$

D ÷ How many groups of $\frac{8}{}$ are in $\frac{32}{}$? $\frac{4}{}$

M × $\frac{4}{}$ × $\frac{8}{}$ = $\frac{32}{}$

S - $\frac{32}{}$ - $\frac{32}{}$ = $\frac{0}{}$

GRADE 4

LONG DIVISION STANDARD ALGORITHM (30)

How many groups of $\frac{8}{}$ are in 4 ? 0 , so place a 0 in the quotient.

How many groups of $\frac{8}{}$ are in 45 ? 5 , so place a 5 in the quotient.

D ÷

Divide

Multiply 5 and 8 , which equals 40 . Place this product under the 45 .

M ×

Multiply

Subtract 40 from 45 .

$$\begin{array}{r} 057 \\ 8 \overline{) 459} \\ \underline{-40} \\ 59 \end{array}$$

LONG DIVISION STANDARD ALGORITHM (30)

How many groups of $\frac{8}{}$ are in 4 ? 0 , so place a 0 in the quotient.

How many groups of $\frac{8}{}$ are in 45 ? 5 , so place a 5 in the quotient.

D ÷

Divide

Multiply 5 and 8 , which equals 40 . Place this product under the 45 .

M ×

Multiply

$$\begin{array}{r} 0574 \\ 8 \overline{) 4592} \\ \underline{-40} \\ 59 \end{array}$$

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



Repeat the process until the difference is 0 or less than the divisor.

R C

Repeat

$$\begin{array}{l} \text{groups of } \frac{8}{} \\ \text{are in } 32? \ 4 \\ \text{M} \times \ 4 \times 8 = 32 \\ \text{S} - \ 32 - 32 = 0 \end{array}$$

R C

Repeat

$$\begin{array}{l} \text{Are in } 32? \ 4 \\ \text{M} \times \ 4 \times 8 = 32 \\ \text{S} - \ 32 - 32 = 0 \end{array}$$

0

LONG DIVISION STANDARD ALGORITHM (30)

How many groups of $\frac{8}{}$ are in $\frac{4}{}$? $\frac{0}{}$, so place a $\frac{0}{}$ in the quotient.

How many groups of $\frac{8}{}$ are in $\frac{45}{}$? $\frac{5}{}$, so place a $\frac{5}{}$ in

0574

9 4,592

-40

59

-56

32

-32

0

STEP-BY-STEP POWERPOINT

Subtract

Bring down the $\frac{9}{}$ in the dividend, and place it next to the $\frac{5}{}$.

B↓ Bring Down

Repeat the process until the difference is $\frac{0}{}$ or less than the divisor.

RC Repeat

D÷ How many groups of $\frac{8}{}$ are in $\frac{59}{}$? $\frac{7}{}$

M× $7 \times 8 = 56$

S- $59 - 56 = 3$

B↓ Bring down $\frac{2}{}$

D÷ How many groups of $\frac{8}{}$ are in $\frac{32}{}$? $\frac{4}{}$

M× $4 \times 8 = 32$

S- $32 - 32 = 0$

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MacBook Pro

LONG DIVISION STANDARD ALGORITHM (30)

Set 4

How many groups of 8 are in 4? 0, so place a 0 in the quotient.

How many groups of 8 are in 45? 5, so place a 5 in the quotient.

D ÷

Divide

Multiply 5 and 8, which equals 40. Place this product under the 45.

M ×

S Subtract 40 from 45. Place the difference 5 below.

S =

B Bring down the 9 in the dividend, and place it next to the 5.

B ↓

Bring Down

Repeat the process until the difference is 0 or less than the divisor.

R C

Repeat

0574

8 | 4,592

-40



DETAILED ANSWER KEY

groups of 8 are in 59? 7

M × 7 × 8 = 56

S - 59 - 56 = 3

B ↓ Bring down 2

D ÷ How many groups of 8 are in 32? 4

M × 4 × 8 = 32

S - 32 - 32 = 0

32

-32

0