

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!

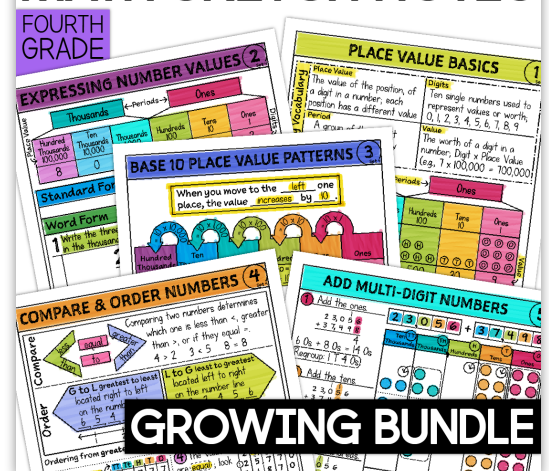
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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!!!

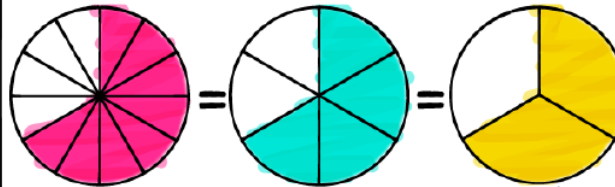
MATH SKETCH NOTES



MATH SKETCH NOTES

SIMPLIFY FRACTIONS

39
Set 4



$$\frac{8}{12} \div \frac{2}{2} = \frac{4}{6} \div \frac{2}{2} = \frac{2}{3}$$

Simplest Form
Expressing a fraction with the fewest number of parts/pieces possible



Greatest Common Factor

Factors of 8 → 1, 2, (4), 8

Factors of 12 → 1, 2, 3, (4), 6, 12

$$\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$$

Ladder Method

$$\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$$

2	8	12
2	4	6

GCF: $2 \times 2 = 4$

(2) (3)
→ 2/3

- 1 Divide both #'s by a prime #
- 2 Write quotients below each dividend
- 3 Repeat until the quotients' GCF is 1

- 1 List all the **factors** of the numerator and denominator.
- 2 Find and circle the **greatest factor** that they have **in common**.
- 3 Divide the numerator and denominator by the GCF.

GRADE 4

SIMPLIFY FRACTIONS 39 Set 4

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SIMPLIFY FRACTIONS 39 Set 4

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Greatest Common Factor

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



Find and circle the **greatest** factor that they have in common.

3 Divide the numerator and denominator by the GCF.

4 Multiply all the numbers on the left side of the ladder.

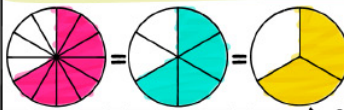
Divide the numerator and denominator by the GCF.

Multiply all the numbers on the left side of the ladder.

STEP-BY-STEP POWERPOINT

SIMPLIFY FRACTIONS

39



$\frac{2}{3}$

Simplest Form
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Ladder Method

$$\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$$

$$\text{GCF: } 2 \times 2 = 4$$

$$\begin{array}{r} 2 \overline{) 8 \ 12} \\ 4 \ 6 \end{array}$$

$$\begin{array}{r} 2 \overline{) 4 \ 6} \\ 2 \ 3 \end{array}$$

$$\begin{array}{r} 2 \overline{) 2 \ 3} \\ 2 \end{array}$$

Factors of 12 $\rightarrow$ 1, 2, 3, 4, 6, 12

$$\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$$

- 1 List all the **factors** of the numerator and denominator.
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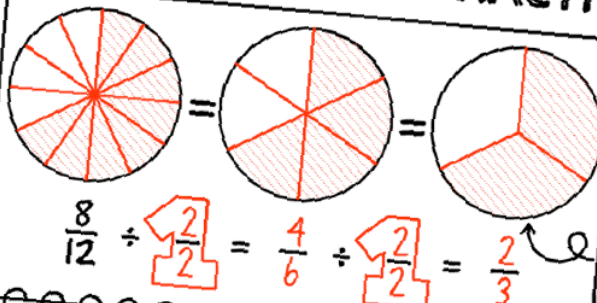
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MacBook Pro

SIMPLIFY FRACTIONS

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Set 4



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Factors of
Factors of

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DETAILED ANSWER KEY