

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!

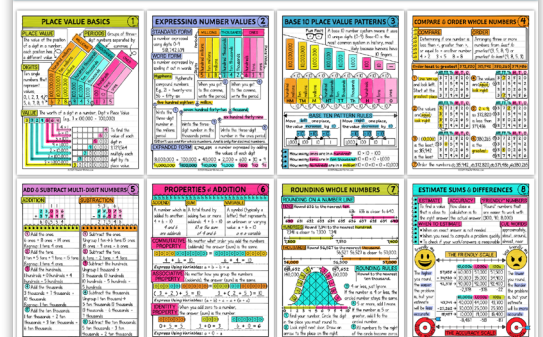
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

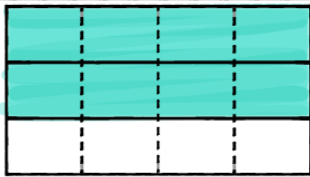
MATH SKETCH NOTES

ADD UNLIKE FRACTIONS

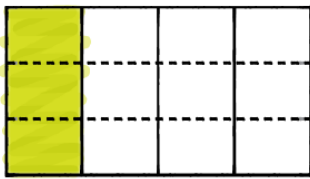
37
Set 5

[AREA MODEL]

- 1 Divide the top rectangle into 3 equal parts and shade in 2 parts.

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


- 2 Divide the bottom rectangle into 4 equal parts and shade in 1 part.

$$\frac{1}{4} = \frac{3}{12}$$


$$+ \frac{3}{12}$$

- 3 Subdivide each third of the top rectangle into fourths.

- 4 Subdivide each fourth of the bottom rectangle into thirds.

- 5 The fractions are now represented with a common denominator (12) which will allow you to add. $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

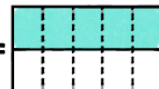
$$\frac{11}{12}$$

$$\frac{1}{3} = \frac{2}{6}$$


$$\frac{1}{2} = \frac{3}{6}$$

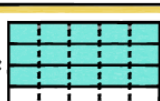

$$+ \frac{3}{6} = \frac{5}{6}$$

Follow the steps above to add the fractions using area models.

$$\frac{1}{2} = \frac{5}{10}$$


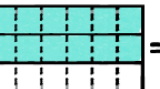
$$\frac{2}{5} = \frac{4}{10}$$


$$+ \frac{4}{10} = \frac{9}{10}$$

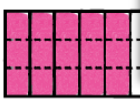
$$\frac{3}{4} = \frac{15}{20}$$


$$+ \frac{4}{20} = \frac{19}{20}$$


SIMPLEST FORM

$$\frac{2}{3} = \frac{12}{18}$$


$$+ \frac{1}{6} = \frac{3}{18}$$


$$\frac{15}{18} = \frac{5}{6}$$


GRADE 5

ADD UNLIKE FRACTIONS

37 Set 5

[AREA MODEL]

- 1 Divide the top rectangle into 3 equal parts and shade in 2 parts.
- 2 Divide the bottom rectangle into 4 equal parts and shade in 1 part.
- 3 Subdivide each **third** of the top rectangle into fourths.
- 4 Subdivide each **fourth** of the bottom rectangle into thirds.
- 5 The fractions are now represented with a common denominator (12) which will allow you to add. $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

ADD UNLIKE FRACTIONS

37 Set 5

[AREA MODEL]

- 1 Divide the top rectangle into 3 equal parts and shade in 2 parts.
- 2 Divide the bottom rectangle into 4 equal parts and shade in 1 part.
- 3 Subdivide each **third** of the top rectangle into fourths.
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2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



$\frac{2}{3} = \frac{4}{6}$
 $\frac{1}{6} = \frac{1}{6}$
 $\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$

$\frac{1}{6} + \frac{5}{6} = \frac{6}{6} = 1$

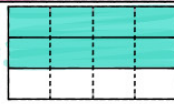
STEP-BY-STEP POWERPOINT

ADD UNLIKE FRACTIONS (37 sets)

[AREA MODEL]

- 1 Divide the top rectangle into 3 equal parts and shade in 2 parts.

$$\frac{2}{3}$$



$$= \frac{8}{12}$$

$$\frac{3}{4}$$



$$= \frac{9}{12}$$

rectangle into fourths.

rectangle into thirds.

with a common

to add. $\frac{8}{12} + \frac{3}{12} = \frac{11}{12}$

$$\frac{11}{12}$$

the steps above to add the fractions using area models.

$$\frac{1}{2} = \frac{3}{6}$$

$$\frac{1}{2} = \frac{5}{10}$$

$$\frac{3}{4} = \frac{15}{20}$$

$$\frac{2}{3} = \frac{12}{18}$$

$$\frac{2}{5} = \frac{4}{10}$$

$$\frac{1}{5} = \frac{4}{20}$$

$$\frac{1}{6} = \frac{3}{18}$$

$$\frac{15}{18} = \frac{5}{6}$$

$$\frac{9}{10} = \frac{18}{20}$$

SIMPLEST FORM

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MacBook Pro

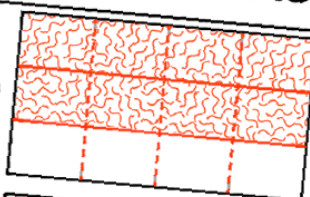
ADD UNLIKE FRACTIONS

37 Set 5

[AREA MODEL]

1 Divide the top rectangle into 3 equal parts and shade in 2 parts.

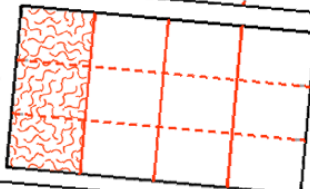
$$\frac{2}{3}$$



$$= \frac{8}{12}$$

2 Divide the bottom rectangle into 4 equal parts and shade in 1 part.

$$\frac{1}{4}$$



$$= \frac{3}{12}$$

+

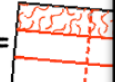
$$+ \frac{12}{12}$$

3 Subdivide each third of the top rectangle into fourths.
4 Subdivide each fourth of the bottom rectangle into thirds.

5 The fraction denominator

DETAILED ANSWER KEY

$$\frac{1}{3} =$$



$$+ \frac{1}{2} =$$



$$= \frac{5}{6}$$

$$+ \frac{5}{6}$$

$$= \frac{10}{6}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

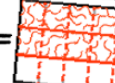
$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

$$= \frac{5}{3}$$

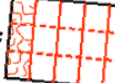
SIMPLEST FORM

$$\frac{2}{3} =$$



$$= \frac{12}{18}$$

$$+ \frac{1}{6} =$$



$$= \frac{3}{18}$$

$$+ \frac{15}{18}$$

$$= \frac{18}{18}$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$

$$= 1$$