

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!

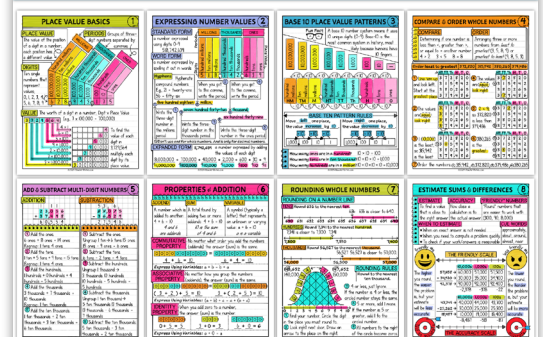
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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



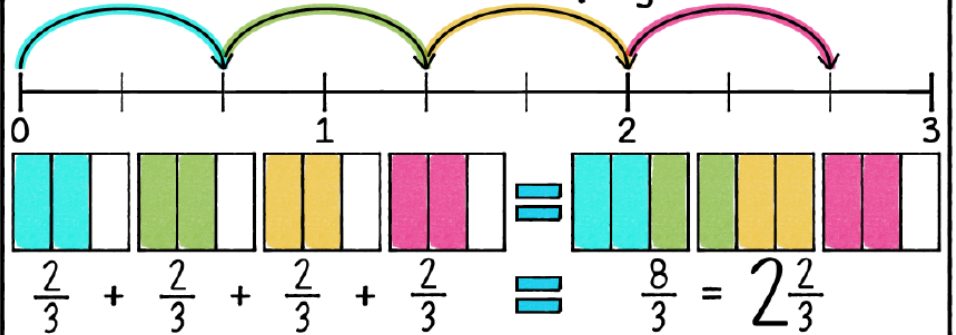
GROWING BUNDLE

MATH SKETCH NOTES

MULTIPLY WHOLE NUMBERS *and* FRACTIONS **47** Set 5

REPEATED ADDITION MODELS

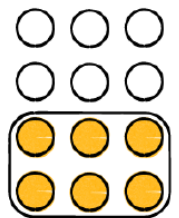
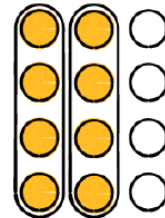
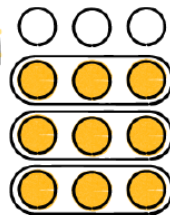
$$4 \times \frac{2}{3}$$



PART-OF-A-GROUP MODEL

$$\frac{2}{3} \text{ of } 12 = 8 \quad \frac{1}{2} \text{ of } 12 = 6$$

$\frac{3}{4}$ of 12
means multiply
= 9



STANDARD ALGORITHM

- ① Change the whole number to a fraction.
- ② Cross simplify, if possible.
- ③ Multiply the numerators.
- ④ Multiply the denominators.
- ⑤ Convert the product-improper fraction to a mixed number.

$$4 \times \frac{5}{6}$$

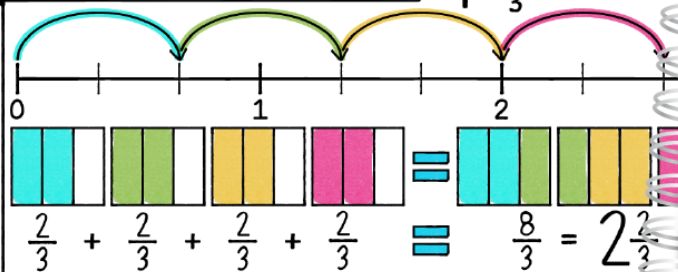
$$\frac{4}{1} \times \frac{5}{6} = \frac{10}{3} = 3\frac{1}{3}$$

$$\frac{3}{8} \text{ of } 18$$

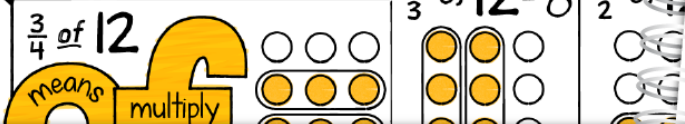
GRADE 5

MULTIPLY WHOLE NUMBERS *and* FRACTIONS 47

REPEATED ADDITION MODELS $4 \times \frac{2}{3}$



PART-OF-A-GROUP MODEL $\frac{2}{3}$ of 12 = 8



MULTIPLY WHOLE NUMBERS *and* FRACTIONS 47

REPEATED ADDITION MODELS $4 \times \frac{2}{3}$



PART-OF-A-GROUP MODEL $\frac{2}{3}$ of 12 = 8



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



4 Multiply the denominators.

5 Convert the product-improper fraction to a mixed number.

$$\frac{3}{8} \text{ of } 18$$

$$\frac{3}{8} \times \frac{18}{1} = \frac{54}{8}$$

$$= 6\frac{6}{8}$$

improper fraction to a mixed number.

$\frac{3}{8}$ of 18

$$\frac{3}{8} \times \frac{18}{1} = \frac{54}{8} = 6\frac{6}{8}$$

STEP-BY-STEP POWERPOINT

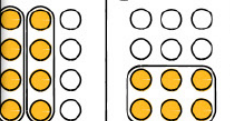
MULTIPLY WHOLE NUMBERS *and* FRACTIONS ⁴⁷_{sets}

REPEATED ADDITION MODELS

$$4 \times \frac{2}{3}$$



$$\text{of } 12 = 8 \quad \frac{1}{2} \text{ of } 12 = 6$$



STANDARD ALGORITHM

- 1 Change the whole number to a fraction.
- 2 Cross simplify, if possible.
- 3 Multiply the numerators.
- 4 Multiply the denominators.
- 5 Convert the product-improper fraction to a mixed number.

$$4 \times \frac{5}{6} = \frac{4}{1} \times \frac{5}{6} = \frac{10}{3} = 3 \frac{1}{3}$$

$$\frac{3}{8} \text{ of } 18 = \frac{3}{8} \times \frac{18}{1} = \frac{27}{4} = 6 \frac{3}{4}$$

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MacBook Pro

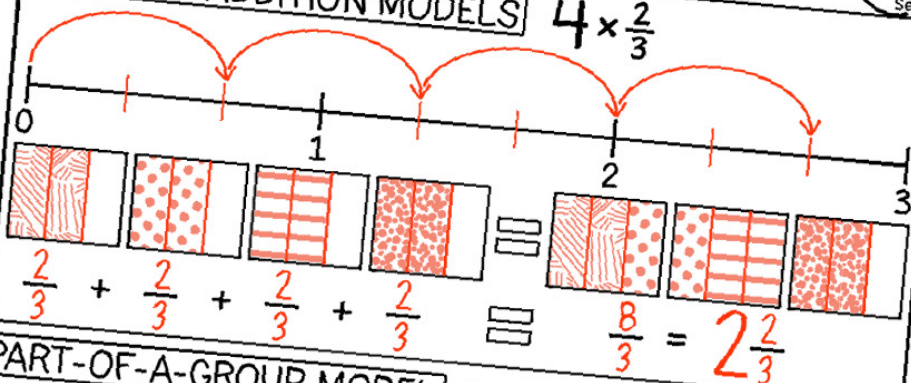


MULTIPLY WHOLE NUMBERS and FRACTIONS (47)

Set 5

REPEATED ADDITION MODELS

$$4 \times \frac{2}{3}$$



PART-OF-A-GROUP MODEL

$$\frac{3}{4} \text{ of } 12$$

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



DETAILED ANSWER KEY

STANDARD ALGORITHM

- 1 Change the whole number to a fraction.
- 2 Cross simplify, if possible.
- 3 Multiply the numerators.
- 4 Multiply the denominators.
- 5 Convert the product-improper fraction to a mixed number.

$4 \times \frac{5}{6}$	$\overset{1}{\cancel{4}} \times \overset{2}{\cancel{5}} \frac{5}{\cancel{6}_3}$	$= \frac{10}{3}$	$= 3\frac{1}{3}$
$\frac{3}{8} \text{ of } 18$	$\frac{3}{\cancel{8}_4} \times \frac{18}{1}$	$= \frac{27}{4}$	$= 6\frac{3}{4}$