

# MATH SKETCH NOTES

## MATH SKETCH NOTES

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!

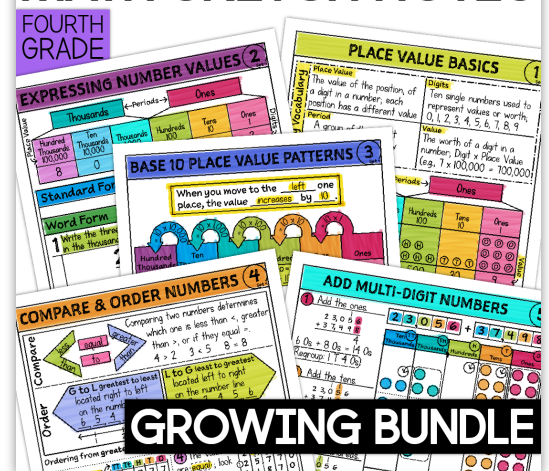
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

## 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

## MULTIPLY FRACTIONS & WHOLE NUMBERS 44

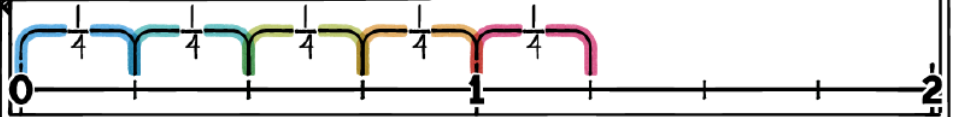
Set 4

| Multiplication Problem | Repeated Addition                                                       | Improper Fraction | Mixed Number      |
|------------------------|-------------------------------------------------------------------------|-------------------|-------------------|
| $5 \times \frac{1}{4}$ | $= \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | $= \frac{5}{4}$   | $= 1 \frac{1}{4}$ |

### Fraction Strips Model

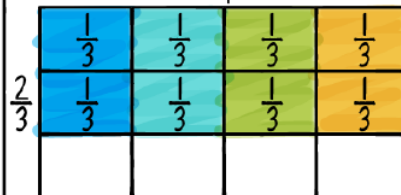


### Number Line Model



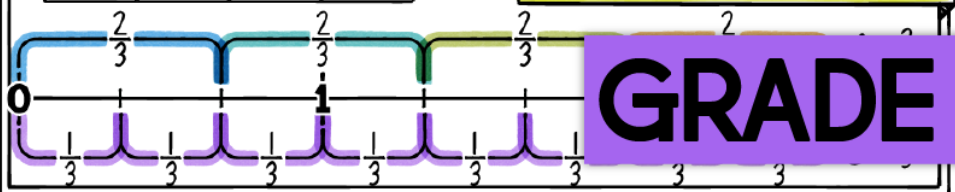
| Multiplication Problem | Repeated Addition                                         | Improper Fraction | Mixed Number      |
|------------------------|-----------------------------------------------------------|-------------------|-------------------|
| $4 \times \frac{2}{3}$ | $= \frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3}$ | $= \frac{8}{3}$   | $= 2 \frac{2}{3}$ |

### Area Model



$$4 \times \frac{2}{3} = 8 \times \frac{1}{3}$$

### Number Line Model



**GRADE 4**

## MULTIPLY FRACTIONS & WHOLE NUMBERS 44

| Multiplication Problem | Repeated Addition                                                     | Improper Fraction | Mixed Number    |
|------------------------|-----------------------------------------------------------------------|-------------------|-----------------|
| $5 \times \frac{1}{4}$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | $\frac{5}{4}$     | $1 \frac{1}{4}$ |

### Fraction Strips Model



### Number Line Model



| Multiplication Problem | Repeated Addition                                                     | Improper Fraction | Mixed Number    |
|------------------------|-----------------------------------------------------------------------|-------------------|-----------------|
| $5 \times \frac{1}{4}$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | $\frac{5}{4}$     | $1 \frac{1}{4}$ |

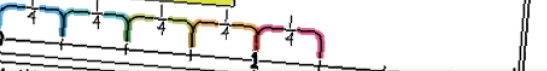
## MULTIPLY FRACTIONS & WHOLE NUMBERS 44

| Multiplication Problem | Repeated Addition                                                     | Improper Fraction | Mixed Number    |
|------------------------|-----------------------------------------------------------------------|-------------------|-----------------|
| $5 \times \frac{1}{4}$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | $\frac{5}{4}$     | $1 \frac{1}{4}$ |

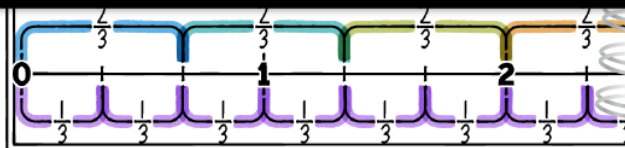
### Fraction Strips Model



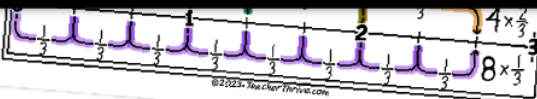
### Number Line Model



2 SIZES: STANDARD US 8.5 × 11  
& COMPOSITION NOTEBOOK



©2023 TeacherThrive.com

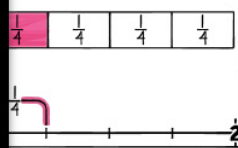


©2023 TeacherThrive.com

# STEP-BY-STEP POWERPOINT

## MULTIPLY FRACTIONS & WHOLE NUMBERS <sup>44</sup> Set 1

| Multiplication Problem | Repeated Addition                                                     | Improper Fraction | Mixed Number    |
|------------------------|-----------------------------------------------------------------------|-------------------|-----------------|
| $5 \times \frac{1}{4}$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | $\frac{5}{4}$     | $1 \frac{1}{4}$ |

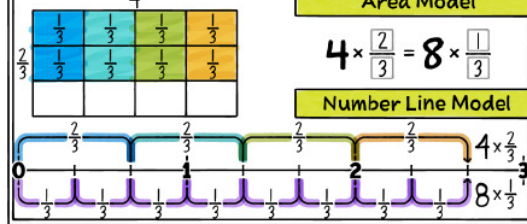


| Improper Fraction | Mixed Number    |
|-------------------|-----------------|
| $\frac{8}{3}$     | $2 \frac{2}{3}$ |

### Area Model

$$4 \times \frac{2}{3} = 8 \times \frac{1}{3}$$

### Number Line Model



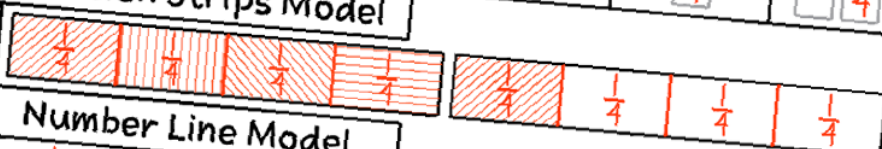
©2023 TeacherThrive.com

MacBook Pro

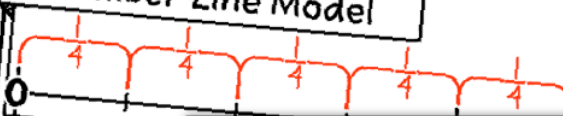
# MULTIPLY FRACTIONS & WHOLE NUMBERS 44 Set 4

| Multiplication Problem | Repeated Addition                                                     | Improper Fraction | Mixed Number    |
|------------------------|-----------------------------------------------------------------------|-------------------|-----------------|
| $5 \times \frac{1}{4}$ | $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | $\frac{5}{4}$     | $1 \frac{1}{4}$ |

Fraction Strips Model

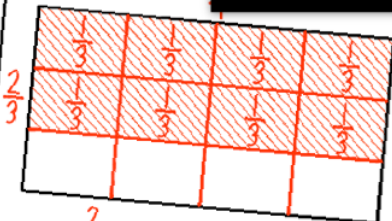


Number Line Model



Multiplication Problem

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



Area Model

$$4 \times \frac{2}{3} = 8 \times \frac{1}{3}$$

Number Line Model

