

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!

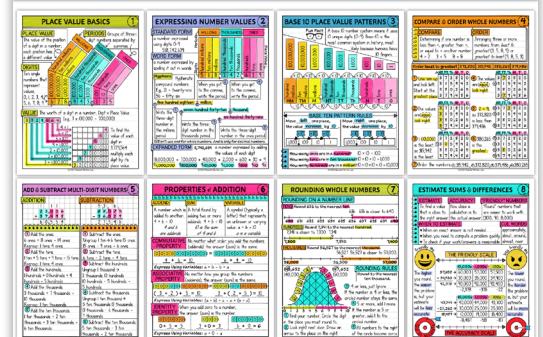
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

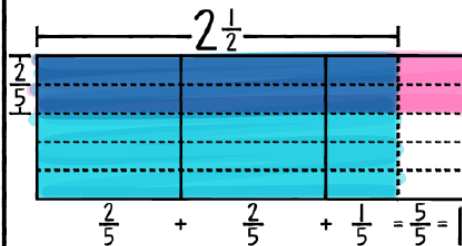
MATH SKETCH NOTES

MULTIPLY FRACTIONS *and* MIXED NUMBERS 50 Set 5

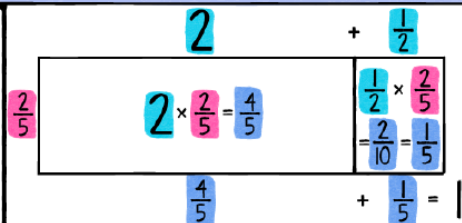
FRACTION $\times$ MIXED NUMBER

There are $2\frac{1}{2}$ buses of students. $\frac{2}{5}$ of the students are girls. How many buses are needed to carry girls only?

AREA MODEL



BOX MODEL-DISTRIBUTIVE



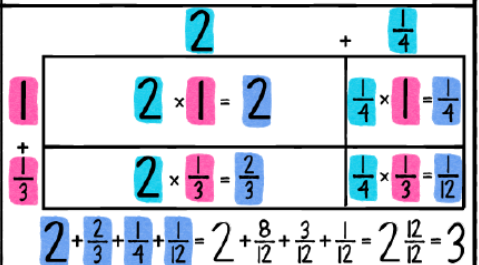
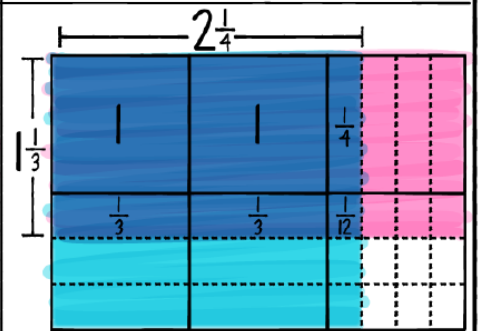
STANDARD ALGORITHM

- Convert mixed numbers into improper fractions.
- Check if you can cross simplify.
- Multiply straight across the fractions.
- Simplify and/or convert to a mixed number.

$$2\frac{1}{2} \times \frac{2}{5} = \frac{5}{2} \times \frac{2}{5} = 1 = 1 \text{ bus}$$

MIXED NUMBER $\times$ MIXED NUMBER

The school's flag is $1\frac{1}{3}$ ft. wide and $2\frac{1}{4}$ ft. long. What is the area of the flag?



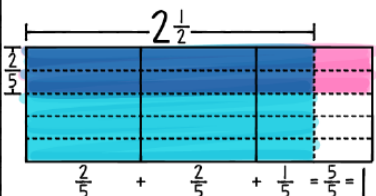
$$2 + \frac{2}{3} + \frac{1}{4} + \frac{1}{12} = 2 + \frac{8}{12} + \frac{3}{12} + \frac{1}{12} = 2\frac{12}{12} = 3$$

GRADE 5

MULTIPLY FRACTIONS *and* MIXED NUMBERS 50 Set 5

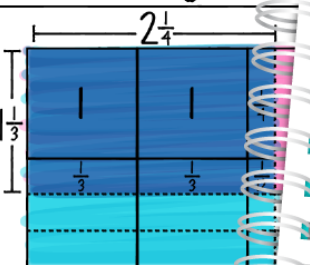
FRACTION × MIXED NUMBER There are $2\frac{1}{2}$ buses of students. $\frac{2}{5}$ of the students are girls. How many buses are needed to carry girls only?

AREA MODEL



BOX MODEL-DISTRIBUTIVE

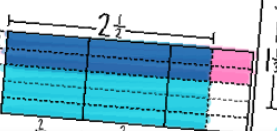
MIXED NUMBER × MIXED NUMBER The school's flag is $1\frac{1}{3}$ ft. wide and $2\frac{1}{4}$ ft. long. What is the area of the flag?



MULTIPLY FRACTIONS *and* MIXED NUMBERS 50 Set 5

FRACTION × MIXED NUMBER There are $2\frac{1}{2}$ buses of students. $\frac{2}{5}$ of the students are girls. How many buses are needed to carry girls only?

AREA MODEL



MIXED NUMBER × MIXED NUMBER The school's flag is $1\frac{1}{3}$ ft. wide and $2\frac{1}{4}$ ft. long. What is the area of the flag?



2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



improper fractions.	simplify.	the fractions.	mixed
$2\frac{1}{2} \times \frac{2}{5} = \frac{8}{5} = 1\frac{3}{5}$		$2\frac{1}{4} \times 1\frac{1}{3} = \frac{11}{6} = 1\frac{5}{6}$	

$2\frac{1}{2} \times \frac{2}{5} = \frac{8}{5} = 1\frac{3}{5}$ bus

$2\frac{1}{4} \times 1\frac{1}{3} = \frac{11}{6} = 1\frac{5}{6}$ ft.²

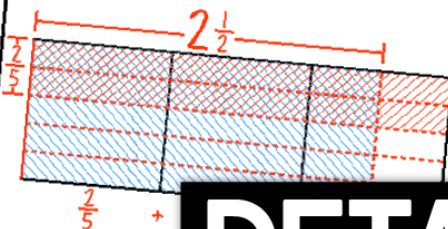
MacBook Pro



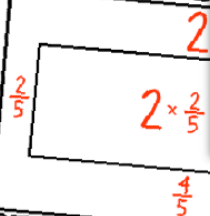
MULTIPLY FRACTIONS and MIXED NUMBERS (50)

FRACTION x MIXED NUMBER There are $2\frac{1}{2}$ buses of students. $\frac{2}{5}$ of the students are girls. How many buses are needed to carry girls only?

AREA MODEL



BOX MODEL



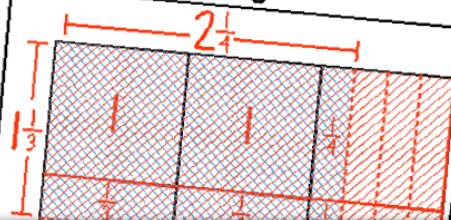
STANDARD ALGORITHM

- Convert mixed numbers into improper fractions.
- Check if you can cross simplify.
- Multiply straight across the fractions.
- Simplify and/or convert to a mixed/whole #.

$$2\frac{1}{2} \times \frac{2}{5} = \frac{5}{2} \times \frac{2}{5} = 1 = 1 \text{ bus}$$

$$2\frac{1}{4} \times 1\frac{1}{3} = \frac{9}{4} \times \frac{4}{3} = 3 = 3 \text{ ft.}^2$$

MIXED NUMBER x MIXED NUMBER The school's flag is $1\frac{1}{3}$ ft. wide and $2\frac{1}{4}$ ft. long. What is the area of the flag?



DETAILED ANSWER KEY