

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!

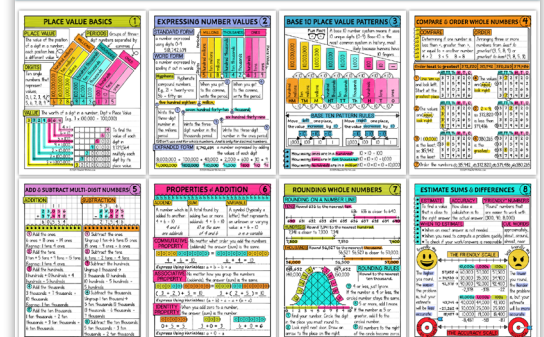
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

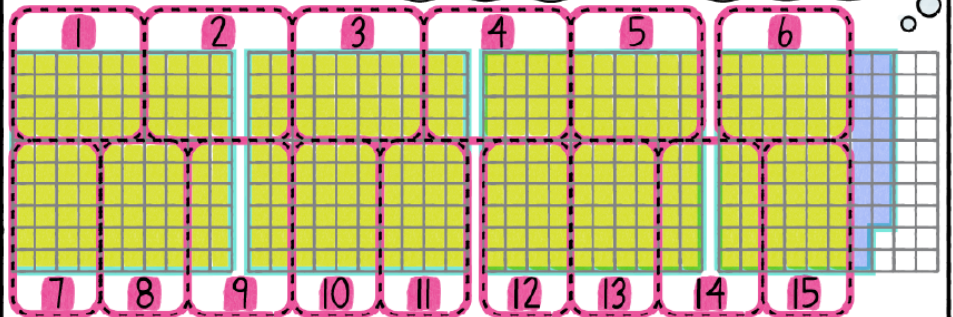
EXPRESS REMAINDERS AS DECIMALS

69
Set 5

$$3.78 \div 0.24 = 15 \text{ R } 0.18 = 15.75$$

① THINK How many 0.24 are in 3.78? 15

② THINK What is the remainder? 0.18



③ THINK What fraction represents the remainder compared to the divisor? $\frac{18}{24} = \frac{3}{4} = 0.75$

④ THINK How many cents are in 3 quarters? 0.75

STANDARD ALGORITHM

- ① Make the divisor a whole number by multiplying by a power of 10.
- ② Multiply the dividend by the same power of 10.
- ③ Place a decimal point in the quotient, right above the one in the dividend.
- ④ Divide as usual.
- ⑤ Add a zero to the dividend & bring it down. Keep dividing. Adding zeros doesn't change the value.
- ⑥ Repeat step 5 until the decimal terminates (ends).

$$\begin{array}{r} \times 100 \quad 0.24 \cdot 3.78 \quad \times 100 \\ \hline 24 \cdot 378 \cdot 00 \\ - 24 \\ \hline 138 \\ - 120 \\ \hline 180 \\ - 180 \\ \hline 0 \end{array}$$

GRADE 5

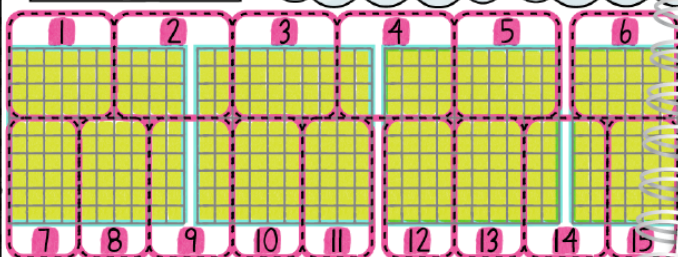
EXPRESS REMAINDERS AS DECIMALS

69 Set 5

$$3.78 \div 0.24 = 15 \text{ R } 0.18 = 15.75$$

① THINK How many 0.24 are in 3.78? 15

② THINK What is the remainder? 0.18



③ THINK What fraction represents the remainder compared to the divisor?

$$\frac{18}{24} = \frac{3}{4} = 0.75$$

④ THINK How many cents are quarters?

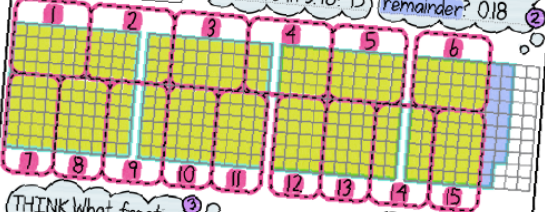
EXPRESS REMAINDERS AS DECIMALS

69 Set 5

$$3.78 \div 0.24 = 15 \text{ R } 0.18 = 15.75$$

① THINK How many 0.24 are in 3.78? 15

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③ THINK What fraction represents the remainder compared to the divisor?

$$\frac{18}{24} = \frac{3}{4} = 0.75$$

④ THINK How many cents are quarters?

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



④ Divide as usual.

⑤ Add a zero to the dividend & bring it down to keep dividing. Adding zeros doesn't change the value.

⑥ Repeat step 5 until the decimal terminates (ends).

Keep dividing. Adding zeros doesn't change the value. Repeat step 5 until the decimal terminates (ends).

18.8	↓
120	↓
120	↓
0	

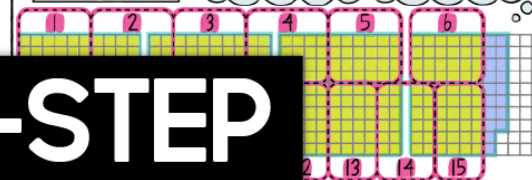
STEP-BY-STEP POWERPOINT

EXPRESS REMAINDERS AS DECIMALS 69

$$3.78 \div 0.24 = 15 \text{ R } 0.18 = 15.75$$

1 THINK How many 0.24 are in 3.78? 15

2 THINK What is the remainder? 0.18



4 THINK How many cents are in 3 quarters? 0.75

$$= 0.75$$

- 1 Make the divisor a whole number by multiplying by a power of 10.
- 2 Multiply the dividend by the same power of 10.
- 3 Place a decimal point in the quotient, right above the one in the dividend.
- 4 Divide as usual.
- 5 Add a zero to the dividend & bring it down to keep dividing. Adding zeros doesn't change the value.
- 6 Repeat step 5 until the decimal terminates (ends).

$$\begin{array}{r} 15.75 \\ 24 \overline{) 378.00} \\ \underline{-24} \\ 138 \\ \underline{-120} \\ 180 \\ \underline{-168} \\ 120 \\ \underline{-120} \\ 0 \end{array}$$

MacBook Pro

EXPRESS REMAINDERS AS DECIMALS

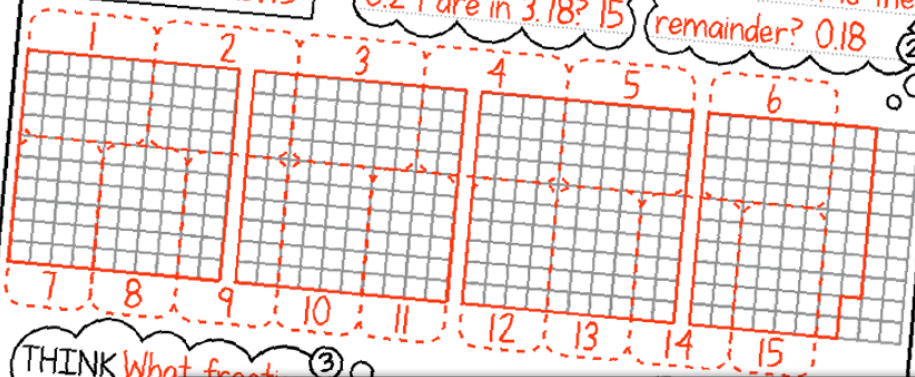
69

Set 5

$$3.78 \div 0.24 = 15 \text{ R } 0.18 = 15.75$$

① THINK How many 0.24 are in 3.78? 15

② THINK What is the remainder? 0.18



③ THINK What fraction represents the remainder compared to the divisor?

DETAILED ANSWER KEY

STANDARD ALGORITHM

- ① Make the divisor a whole number by multiplying by a power of 10.
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- ③ Place a decimal point in the quotient, right above the one in the dividend.
- ④ Divide as usual.
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$$\begin{array}{r} 0.1575 \\ 24 \overline{) 378100} \\ \underline{-24} \\ 138 \\ \underline{-120} \\ 180 \\ \underline{-168} \\ 120 \\ \underline{-120} \\ 0 \end{array}$$