

MATH SKETCH NOTES

REVIEW: MULTIPLY DECIMALS

27
Set 6

STANDARD ALGORITHM

- ① Line up the factors according to their lowest places.
- ② Multiply as if they are whole numbers, ignoring the decimal points.
- ③ Add the number of the decimal places in both factors.
- ④ Place the decimal point in the product according to the sum of factors' decimal places.

3 decimal places → 4.562

2 decimal places → 2.13

5 1 decimal places → 971706

4.562 × 2.13 = 9.71706

$$0.24 \times 3.5$$

$$\begin{array}{r} 0.24 \\ \times 3.5 \\ \hline 120 \\ + 720 \\ \hline 0.840 \end{array}$$

$$6.25 \times 0.43$$

$$\begin{array}{r} 6.25 \\ \times 0.43 \\ \hline 1875 \\ + 25000 \\ \hline 2.6875 \end{array}$$

$$7.4 \times 2.35$$

$$\begin{array}{r} 7.4 \\ \times 2.35 \\ \hline 190 \\ + 1680 \\ + 14700 \\ \hline 17.390 \end{array}$$

$$27 \times 0.968$$

$$\begin{array}{r} 27 \\ \times 0.968 \\ \hline 216 \\ + 1620 \\ + 24300 \\ \hline 26.136 \end{array}$$

GRADE 6

STEP-BY-STEP POWERPOINT

REVIEW: MULTIPLY DECIMALS 27

STANDARD ALGORITHM

1 Line up the factors according to their lowest places.

3 decimal places
2 decimal places

4.562
2.13

9.71706

0.24×35	625×0.43	74×235	27×0.968
$\begin{array}{r} 24 \\ \times 35 \\ \hline 120 \\ + 720 \\ \hline 0.840 \end{array}$	$\begin{array}{r} 625 \\ \times 0.43 \\ \hline 1875 \\ + 25000 \\ \hline 2.6875 \end{array}$	$\begin{array}{r} 74 \\ \times 235 \\ \hline 1940 \\ + 14800 \\ + 148000 \\ \hline 17390 \end{array}$	$\begin{array}{r} 27 \\ \times 0.968 \\ \hline 1656 \\ + 16560 \\ + 165600 \\ \hline 26.136 \end{array}$



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$$\begin{array}{r}
 \begin{array}{l} 3 \text{ decimal} \\ \text{places} \end{array} \rightarrow 4.56 \\
 + \\
 \begin{array}{l} 2 \text{ decimal} \\ \text{places} \end{array} \rightarrow 2.1 \\
 \hline
 \begin{array}{l} 5 \text{ decimal} \\ \text{places} \end{array} \rightarrow 1368 \\
 \begin{array}{r} 1368 \\ 4562 \\ \hline 96832
 \end{array}
 \end{array}$$

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- 4 Place the decimal point in the product according to the sum of factors' decimal places.

$$\begin{array}{r}
 \begin{array}{l} 3 \text{ decimal} \\ \text{places} \end{array} \rightarrow 4.562 \\
 + \\
 \begin{array}{l} 2 \text{ decimal} \\ \text{places} \end{array} \rightarrow 2.13 \\
 \hline
 \begin{array}{l} 5 \text{ decimal} \\ \text{places} \end{array} \rightarrow 13686 \\
 \begin{array}{r} 13686 \\ 45623 \\ \hline 96832
 \end{array}
 \end{array}$$

2 SIZES: STANDARD US 8.5 × 11
& COMPOSITION NOTEBOOK



$ \begin{array}{r} 0.24 \\ \times 3.5 \\ \hline 120 \\ + 720 \\ \hline 0.840 \end{array} $	$ \begin{array}{r} 6.25 \\ \times 0.43 \\ \hline 1875 \\ + 25000 \\ \hline 2.6875 \end{array} $	$ \begin{array}{r} 2.35 \\ \times 7.4 \\ \hline 1940 \\ + 16450 \\ \hline 17.390 \end{array} $	$ \begin{array}{r} 1.20 \\ + 7.20 \\ \hline 8.40 \end{array} $
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REVIEW: MULTIPLY DECIMALS (27)

STANDARD ALGORITHM

- ① Line up the factors according to their lowest places.
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3 decimal places

2 decimal places

5 1 decimal places

4.562

2.13

13686

DETAILED ANSWER KEY

971706

$$0.24 \times 3.5$$

$$\begin{array}{r} 0.24 \\ \times 3.5 \\ \hline 120 \\ + 120 \\ \hline 0.840 \end{array}$$

$$6.25 \times 0.43$$

$$\begin{array}{r} 6.25 \\ \times 0.43 \\ \hline 1875 \\ + 25000 \\ \hline 2.6875 \end{array}$$

$$7.4 \times 235$$

$$\begin{array}{r} 7.4 \\ \times 235 \\ \hline 1940 \\ + 16450 \\ \hline 17390 \end{array}$$

$$27 \times 0.968$$

$$\begin{array}{r} 27 \\ \times 0.968 \\ \hline 16776 \\ + 19360 \\ \hline 26.136 \end{array}$$

MATH SKETCH NOTES

MATH SKETCH NOTES

These 6th-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!

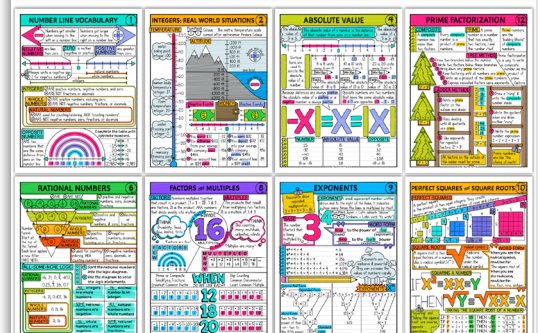
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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!!!

SIXTH GRADE MATH GUIDED SKETCH NOTES



GROWING BUNDLE