

MATH SKETCH NOTES

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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!

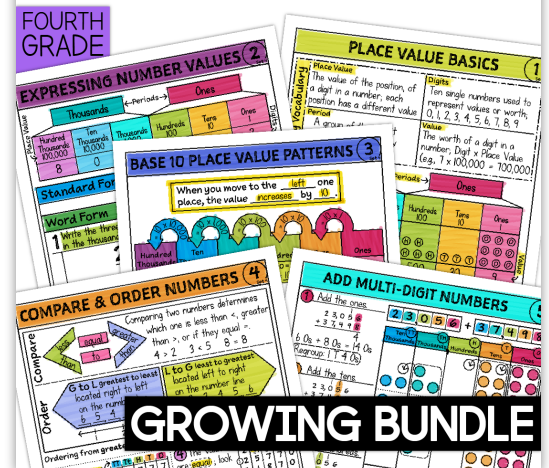
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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



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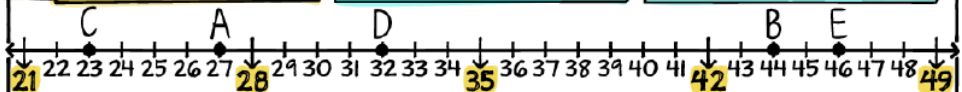
PARTIAL QUOTIENTS & COMPATIBLE #s (29)

Set 4



$$\begin{array}{r} 2,735 \div 7 \\ \downarrow \\ 2,800 \div 7 = 400 \end{array} \quad \text{A}$$

$$\begin{array}{r} 4,428 \div 7 \\ \downarrow \\ 4,200 \div 7 = 600 \end{array} \quad \text{B}$$



$$\begin{array}{r} 2,367 \div 7 \\ \downarrow \\ 2,100 \div 7 = 300 \end{array} \quad \text{C}$$

$$\begin{array}{r} 3,254 \div 7 \\ \downarrow \\ 3,500 \div 7 = 500 \end{array} \quad \text{D}$$

$$\begin{array}{r} 4,685 \div 7 \\ \downarrow \\ 4,900 \div 7 = 700 \end{array} \quad \text{E}$$

			5	6	4	
7		3	9	4	8	
-		3	5	0	0	
			4	4	8	
-			4	2	0	
				2	8	
-				2	8	
					0	

Compatible Numbers

$$\begin{array}{l} 500 \quad 7 \times 500 = 3,500 \\ + \\ 60 \quad 7 \times 60 = 420 \\ + \\ 4 \quad 7 \times 4 = 28 \end{array}$$

			1	2	7	8
7		8	9	4	6	
-		7	0	0	0	
			1	9	4	6
-			1	4	0	0
				5	4	6
-				4	9	0
					5	6
-					5	6
						0

1 Subtract the compatible number that is closest to, but not greater than, the dividend.

2 Keep subtracting with compatible numbers until the difference is 0 less than the dividend.

3 Add the partial quotients on the

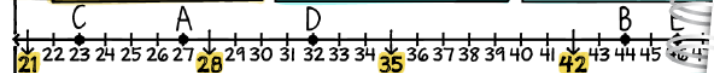
GRADE 4

PARTIAL QUOTIENTS & COMPATIBLE #s (29)

Compatible Numbers Review

$2,735 \div 7$ (A) $4,428 \div 7$ (B)

$2,800 \div 7 = 400$ $4,200 \div 7 = 600$



$2,367 \div 7$ (C) $3,254 \div 7$ (D) $4,685 \div 7$ (E)

$2,100 \div 7 = 300$ $3,500 \div 7 = 500$ $4,900 \div 7 = 700$

Compatible Numbers

$7 \overline{) 3,948}$

$7 \times 500 = 3,500$

$+ 448$

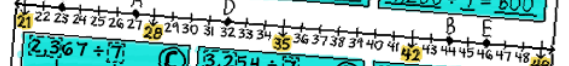
$3,948$

PARTIAL QUOTIENTS & COMPATIBLE #s (29)

Compatible Numbers Review

$2,735 \div 7$ (A) $4,428 \div 7$ (B)

$2,800 \div 7 = 400$ $4,200 \div 7 = 600$



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Compatible Numbers

$7 \overline{) 3,948}$

$7 \times 500 = 3,500$

$+ 448$

$3,948$

2 SIZES: STANDARD US 8.5 x 11 & COMPOSITION NOTEBOOK



compatible number that is closest to, but not greater than, the dividend.

with compatible numbers until the difference is 0 or less than the divisor.

quotient right the final answer.

but not greater than the dividend.

numbers until the difference is 0 or less than the divisor.

right side to get the final answer.

STEP-BY-STEP POWERPOINT

PARTIAL QUOTIENTS & COMPATIBLE #s (29)

Compatible Numbers Review

A $2,735 \div 7 = 400$
 $2,800 \div 7 = 400$

B $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

C $2,735 \div 7 = 400$
 $2,800 \div 7 = 400$

D $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

E $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

F $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

G $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

H $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

I $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

J $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

K $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

L $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

M $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

N $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

O $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

P $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

Q $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

R $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

S $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

T $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

U $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

V $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

W $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

X $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

Y $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

Z $4,428 \div 7 = 600$
 $4,200 \div 7 = 600$

1 Subtract the compatible number that is closest to, but not greater than, the dividend.

2 Keep subtracting with compatible numbers until the difference is 0 or less than the divisor.

3 Add the partial quotients on the right side to get the final answer.

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MacBook Pro

29

A

②



②

①

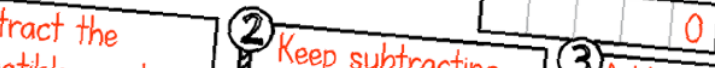
⑤

		5	6	4
7	3, 9	4	8	

Compatible Numbers

1	2	7	8
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DETAILED ANSWER KEY

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1 Subtract the compatible number that is closest to, but not greater than, the dividend.

2 Keep subtracting with compatible numbers until the difference is 0 or less than the divisor.

3 Add the partial quotients on the right side to get the final answer.

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