

MATH SKETCH NOTES

FACTORS *and* MULTIPLES

8
Set 6

FACTORS Numbers multiplied together that result in a product: $[7 \times 3 = 21]$ 7 & 3 are factors, 21 is the product. AKA numbers that divide evenly into another

MULTIPLES

The products that result from multiplying two factors. 21 is a multiple of 7 & 3

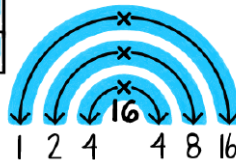
THINK

Divisibility, fixed, few, limited, finite

"Factors are few."

FACTORS

E
W



to find factors → DIVIDE

16

MULTIPLY ←

to find multiples

THINK

Skip counting, many, multitude, unlimited, infinite

"Multiples are many."

MULTIPLES

	$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
16	16	32	48	64	80	96	...

Prime or Composite
Simplifying Fractions
Greatest Common Factor

WHEN
DO WE USE EACH?

Skip Counting
Common Denominator
Least Common Multiple

$\div 1$	$\div 2$	$\div 3$	$\div 4$	$\div 6$	$\div 12$
12	6	4	3	2	1

12

$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
12	24	36	48	60	72	...

$\div 1$	$\div 2$	$\div 3$	$\div 6$	$\div 9$	$\div 18$
18	9	6	3	2	1

18

$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
18	36	54	72	90	108	...

$\div 1$	$\div 2$	$\div 4$	$\div 5$	$\div 10$	$\div 20$
20	10	5	4	2	1

20

$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
20	40	60	80	100	120	...

GRADE 6

STEP-BY-STEP POWERPOINT

FACTORS and MULTIPLES 8 Set 6

FACTORS Numbers multiplied together that result in a product: $7 \times 3 = 21$. 7 & 3 are factors, 21 is the product. AKA numbers that divide evenly into another.

MULTIPLES The products that result from multiplying two factors. 21 is a multiple of 7 & 3.

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FACTORS

$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
32	48	64	80	96	...

WHEN DO WE USE EACH?

Simplifying Fractions
Greatest Common Factor

Skip Counting
Common Denominator
Least Common Multiple

12

$\div 1$	$\div 2$	$\div 3$	$\div 4$	$\div 6$	$\div 12$
12	6	4	3	2	1

18

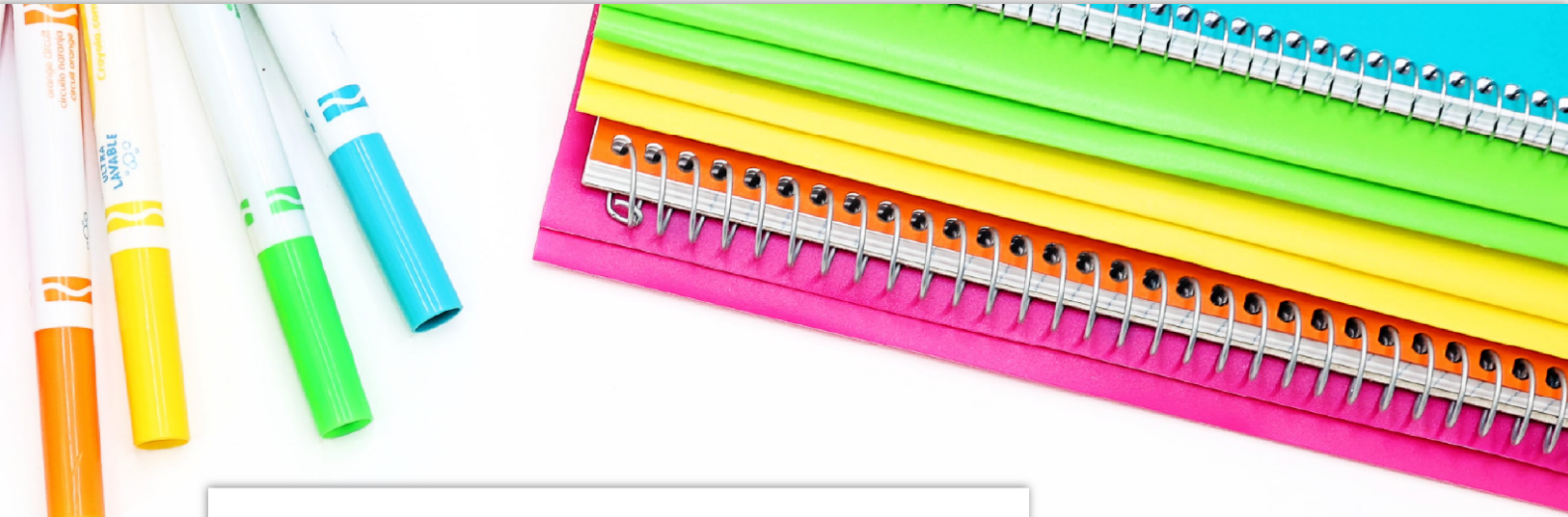
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20

$\div 1$	$\div 2$	$\div 4$	$\div 5$	$\div 10$	$\div 20$
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FACTORS and MULTIPLES

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FACTORS

MULTIPLES

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FACTORS

MULTIPLES

	$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$
16	16	32	48	64	80	96

2 SIZES: STANDARD US 8.5 x 11 & COMPOSITION NOTEBOOK



20

FACTORS

MULTIPLES

	$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$
20	20	40	60	80	100	120

FACTORS and MULTIPLES

8
Set 6

FACTORS

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FACTORS

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Prime or Composite
Simplifying Fractions
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MULTIPLES

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16
To find factors → DIVIDE
To find multiples → MULTIPLY

DETAILED ANSWER KEY

DO WE USE EACH?

Least Common Multiple

+1	+2	+3	+4	+6	+12
12	6	4	3	2	1

12

$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
12	24	36	48	60	72	

+1	+2	+3	+6	+9	+18
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$\times 1$	$\times 2$	$\times 3$	$\times 4$	$\times 5$	$\times 6$	...
20	40	60	80	100	120	

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MATH SKETCH NOTES

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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!

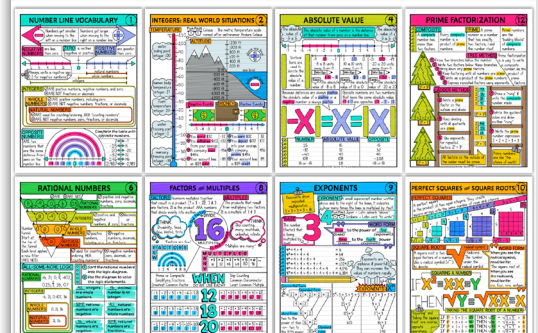
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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