

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!

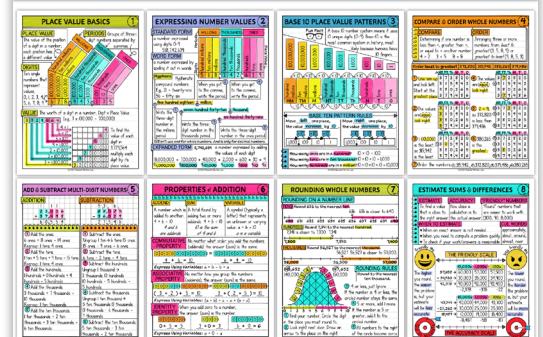
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

ALGEBRAIC EXPRESSIONS

27
Set 5

NUMERICAL
EXPRESSION

A number or group of numbers with operations that show the value of something



VARIABLE



ALGEBRAIC
EXPRESSION

A symbol (usually a letter) that represents an unknown value

A numerical expression that includes at least one variable

Mark is 12 years old.

	Mark's Age
Now	$\rightarrow 12$
In 1 year	$\rightarrow 12 + 1$
1 year ago	$\rightarrow 12 - 1$
3 years ago	$\rightarrow 12 - 3$

John's age is unknown.

	John's Age
Now	$\rightarrow x$
In 1 year	$\rightarrow x + 1$
1 year ago	$\rightarrow x - 1$
3 years ago	$\rightarrow x - 3$

NUMERICAL EXPRESSIONS

VS.

ALGEBRAIC EXPRESSIONS

Add 2 to 3	$\rightarrow 3 + 2$
Subtract 4 from 7	$\rightarrow 7 - 4$
Find 6 more than 5	$\rightarrow 5 + 6$
Find 8 less than 9	$\rightarrow 9 - 8$

Add x to 3	$\rightarrow 3 + x$
Subtract 4 from y	$\rightarrow y - 4$
Find x more than 5	$\rightarrow 5 + x$
Find 8 less than y	$\rightarrow y - 8$

Evaluating
Algebraic
Expressions

Algebraic Expression	Value of Expression When...	
	$x = 7$	$x = 20$
$x + 4$	$7 + 4 = 11$	$20 + 4 = 24$
$12 + x$	$12 + 7 = 19$	$12 + 20 = 32$
$x - 6$	$7 - 6 = 1$	$20 - 6 = 14$
$40 - x$	$40 - 7 = 33$	$40 - 20 = 20$

GRADE 5

ALGEBRAIC EXPRESSIONS

27
Set 5

NUMERICAL EXPRESSION

A number or group of numbers with operations that show the value of something



VARIABLE

A symbol (usually a letter) that represents an unknown value



ALGEBRAIC EXPRESSION

A numerical expression that includes at least one variable

Mark is 12 years old.

	Mark's Age
Now	→ 12
In 1 year	→ 12 + 1
1 year ago	→ 12 - 1
3 years ago	→ 12 - 3

Numerical
Expression

John's age is unknown.

	John's Age
Now	→ x
In 1 year	→ $x + 1$
1 year ago	→ $x - 1$
3 years ago	→ $x - 3$

Algebraic
Expression

ALGEBRAIC EXPRESSIONS

27
Set 5

NUMERICAL EXPRESSION

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ALGEBRAIC EXPRESSION

A numerical expression that includes at least one variable

Mark is 12 years old.

	Mark's Age
Now	→ 12
In 1 year	→ 12 + 1
1 year ago	→ 12 - 1

Numerical
Expression

John's age is unknown.

	John's Age
Now	→ x
In 1 year	→ $x + 1$
1 year ago	→ $x - 1$

Algebraic
Expression

2 SIZES: STANDARD US 8.5 × 11
& COMPOSITION NOTEBOOK



$x + 4$	$7 + 4 = 11$	$20 + 4 = 24$
$12 + x$	$12 + 7 = 19$	$12 + 2 = 14$
$x - 6$	$7 - 6 = 1$	$20 - 6 = 14$
$40 - x$	$40 - 7 = 33$	$40 - 2 = 38$

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$x - 6$	$12 + 7 = 19$	$12 + 20 = 32$
$40 - x$	$7 - 6 = 1$	$20 - 6 = 14$
	$40 - 7 = 33$	$40 - 20 = 20$

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STEP-BY-STEP POWERPOINT

ALGEBRAIC EXPRESSIONS

27

NUMERICAL EXPRESSION

A number or group of numbers with operations



VARIABLE

A symbol (usually a letter) that represents an unknown value

ALGEBRAIC EXPRESSION

A numerical expression that includes at least one variable

John's age is unknown.

John's Age

→ x

→ $x + 1$

→ $x - 1$

→ $x - 3$

ALGEBRAIC EXPRESSIONS

Add 2 to 3 → $3 + 2$

Subtract 4 from 7 → $7 - 4$

Find 6 more than 5 → $5 + 6$

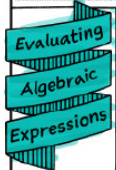
Find 8 less than 9 → $9 - 8$

Add x to 3 → $3 + x$

Subtract 4 from y → $y - 4$

Find x more than 5 → $5 + x$

Find 8 less than y → $y - 8$



Algebraic Expression

Value of Expression When...

$x = 7$

$x = 20$

$x + 4$

$7 + 4 = 11$

$20 + 4 = 24$

$12 + x$

$12 + 7 = 19$

$12 + 20 = 32$

$x - 6$

$7 - 6 = 1$

$20 - 6 = 14$

$40 - x$

$40 - 7 = 33$

$40 - 20 = 20$

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MacBook Pro

ALGEBRAIC EXPRESSIONS

27
Set 5

NUMERICAL
EXPRESSION

A number or group of numbers with operations that show the value of something



VARIABLE

A symbol (usually a letter) that represents an unknown value



ALGEBRAIC
EXPRESSION

A numerical expression that includes at least one variable

Mark is 12 years old.

	Mark's Age
Now	→ 12
In 1 year	→ 12 + 1
1 year ago	→ 12 - 1
3 years ago	→ 12 - 3

John's age is unknown.

	John's Age
Now	→ x

NUMERICAL

Add 2

Subtract 4 from

Find 6 more than 5 → $5 + 6$

Find 8 less than 9 → $9 - 8$

Subtract 4 from y → $y - 4$

Find x more than 5 → $5 + x$

Find 8 less than y → $y - 8$

Evaluating

Algebraic

Expressions

Algebraic
Expression

$x + 4$

$12 + x$

$x - 6$

$40 - x$

Value of Expression When...

$x = 7$

$x = 20$

$$7 + 4 = 11$$

$$12 + 7 = 19$$

$$7 - 6 = 1$$

$$40 - 7 = 33$$

$$20 + 4 = 24$$

$$12 + 20 = 32$$

$$20 - 6 = 14$$

$$40 - 20 = 20$$