

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!

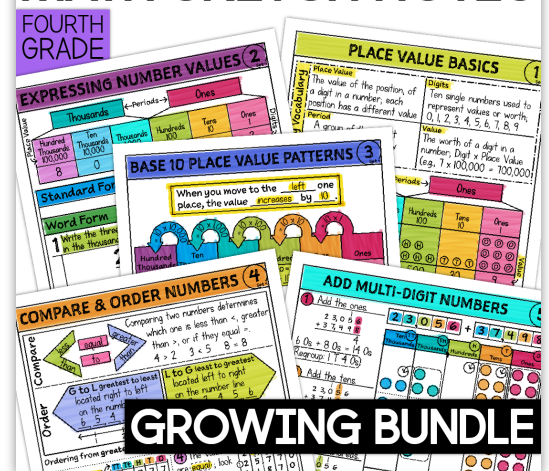
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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



MATH SKETCH NOTES

AREA of SQUARES & RECTANGLES

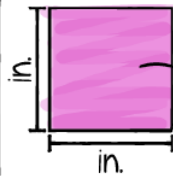
69
Set 4

Area is the amount of surface area
(space) *inside* of a closed figure (shape)

(inside)

A R
E A

SQUARE UNITS = UNITS² Area is measured with squares.



[customary]

1 square inch
 $\text{in.} \times \text{in.} = \text{in.}^2$



[metric]

1 square centimeter
 $\text{cm} \times \text{cm.} = \text{cm}^2$

$\text{ft.} \times \text{ft.} = \text{ft.}^2$

$\text{yd.} \times \text{yd.} = \text{yd.}^2$

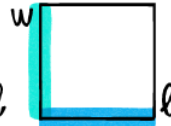
$\text{m} \times \text{m} = \text{m}^2$

$\text{km} \times \text{km} = \text{km}^2$

LENGTH (ℓ) a side

(usually the bottom/base) of the rectangle or square.

WIDTH (w) the measurement of a perpendicular line drawn from the base to the top of the rectangle or square



COUNT UNITS²

1	2	3
4	5	6
7	8	9

9 square units

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15

18 square units

USE A FORMULA

$A \rightarrow$ area $\ell \rightarrow$ length $w \rightarrow$ width



$A = \ell \times w$

$A = 3 \text{ cm} \times 3 \text{ cm}$

$A = 9 \text{ cm}^2$



$A = 15 \text{ cm}^2$

GRADE 4

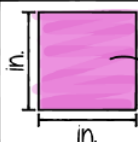
AREA of SQUARES & RECTANGLES

69

Area is the amount of surface area
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(inside)

SQUARE UNITS = UNITS² Area is measured with squares



[customary]

1 square inch
in. x in. = in.²



[metric]

1 square centimeter
cm x cm = cm.²

ft. x ft. = ft.²

yd. x yd. = yd.²

m x m = m.²

km x km = km.²

LENGTH (l) a side

(usually the bottom/base)

WIDTH (w) the measurement

perpendicular line drawn from the bottom to the top of the rectangle or square

AREA of SQUARES & RECTANGLES

69

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LENGTH (l) a side

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WIDTH (w) the measurement of

perpendicular line drawn from the bottom to the top of the rectangle or square

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



1 2 3 4 5
6 7 8 9 10
11 12 13 14 15

18 square units

3 cm
A = l × w
A = 3 cm × 3 cm
A = 9 cm.²

A = 6 × 3
A = 18
A = 15

11 12 13 14 15
18 square units

A = l × w
A = 3 cm × 3 cm
A = 9 cm.²

A = l × w
A = 5 cm × 3 cm
A = 15 cm.²

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STEP-BY-STEP POWERPOINT

AREA of SQUARES & RECTANGLES (69)

Area is the amount of surface area
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(inside)

A R
E A

SQUARE UNITS = UNITS² Area is measured with squares.

[metric]

1 square centimeter
 $\text{cm} \times \text{cm} = \text{cm}^2$

$\text{m} \times \text{m} = \text{m}^2$ $\text{km} \times \text{km} = \text{km}^2$

(w) the measurement of a
vertical line drawn from the base
to the top of the rectangle or square

COUNT UNITS²

1 2 3
4 5 6
7 8 9

9 square units

1 2 3 4 5
6 7 8 9 10
11 12 13 14 15

18 square units

USE A FORMULA

A → area ℓ → length w → width

3 cm

$A = \ell \times w$

$A = 3 \text{ cm} \times 3 \text{ cm}$

$A = 9 \text{ cm}^2$

3 cm

$A = \ell \times w$

$A = 5 \text{ cm} \times 3 \text{ cm}$

$A = 15 \text{ cm}^2$

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MacBook Pro

AREA of SQUARES & RECTANGLES

69

Set 4

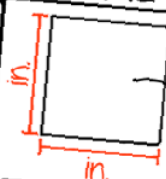
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$\text{m} \times \text{m} = \text{m}^2$

$\text{km} \times \text{km} = \text{km}^2$

LENGTH (ℓ)

a side

WIDTH (w)

(usually the bottom of the rectangle)



DETAILED ANSWER KEY

COUNT UNITS²



9 square units



18 square units

USE A FORMULA

A $\rightarrow$ area $\ell \rightarrow$ length $w \rightarrow$ width



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$A = \ell \times w$
 $A = 5 \text{ cm} \times 3 \text{ cm}$
 $A = 15 \text{ cm}^2$

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