

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!

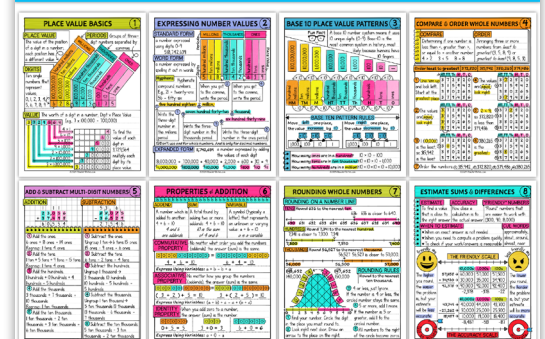
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

VOLUME OF RECTANGULAR PRISMS

76
Set 5

VOLUME IS... the amount of space a 3D shape occupies (takes up). AKA capacity, the amount a container can hold.

SOME EXAMPLES ARE...

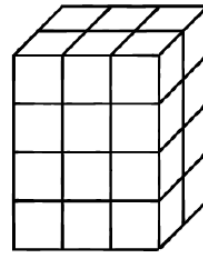
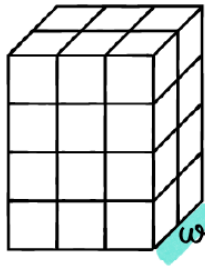
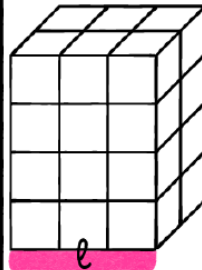
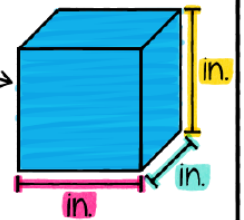
water in a pool, sand in a sandbox, space inside a box, capacity of a car trunk, size of a suitcase

MEASURED IN...

cubic units/
units cubed
 $\text{unit} \times \text{unit} \times \text{unit}$
 $= \text{unit}^3$

cube centimeter
 $\text{cm} \times \text{cm} \times \text{cm} = \text{cm}^3$

cube inch
 $\text{in.} \times \text{in.} \times \text{in.} = \text{in.}^3$



FORMULA ①

$$V = l \times w \times h$$

Multiply the length, width, and height to find the volume.

LENGTH l $\times$ WIDTH w $\times$ HEIGHT h

$$3\text{cm} \times 2\text{cm} \times 4\text{cm} = 24\text{cm}^3$$

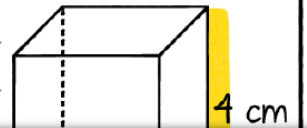
FORMULA ② $V = B \times h$

Multiply the length and width to find the area of the base (B)

$$3\text{cm} \times 2\text{cm} = 6\text{cm}^2$$

Multiply the base area (B) by the height

$$6\text{cm}^2 \times 4\text{cm} = 24\text{cm}^3$$



GRADE 5

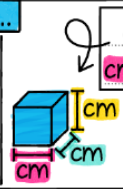
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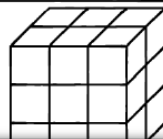
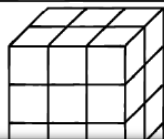
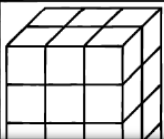
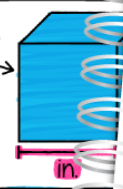
MEASURED IN...

cubic units/
units cubed
 $\text{unit} \times \text{unit} \times \text{unit} = \text{unit}^3$



cube centimeter
 $\text{cm} \times \text{cm} \times \text{cm} = \text{cm}^3$

cube inch
 $\text{in} \times \text{in} \times \text{in} = \text{in}^3$



FORMULA
 $V = l \times w \times h$
Multiply length by width by height

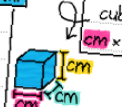
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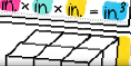
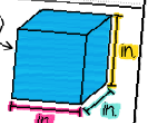
MEASURED IN...

cubic units/
units cubed
 $\text{unit} \times \text{unit} \times \text{unit} = \text{unit}^3$



cube centimeter
 $\text{cm} \times \text{cm} \times \text{cm} = \text{cm}^3$

cube inch
 $\text{in} \times \text{in} \times \text{in} = \text{in}^3$



FORMULA (1)

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK

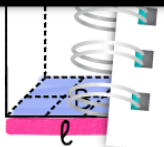


To find the area of the base (B)

$$3 \text{ cm} \times 2 \text{ cm} = 6 \text{ cm}^2$$

Multiply the base area (B) by the height (h).

$$6 \text{ cm}^2 \times 4 \text{ cm} = 24 \text{ cm}^3$$



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STEP-BY-STEP POWERPOINT

VOLUME OF RECTANGULAR PRISMS 76

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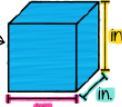
water in a pool, sand in a sandbox, space inside a box, capacity of a car trunk, size of a suitcase

centimeter

$$1 \text{ cm} \times 1 \text{ cm} \times 1 \text{ cm} = 1 \text{ cm}^3$$

cube inch

$$1 \text{ in.} \times 1 \text{ in.} \times 1 \text{ in.} = 1 \text{ in}^3$$



FORMULA ①

$V = l \times w \times h$
Multiply the length, width, and height to find the volume.

LENGTH l × WIDTH w × HEIGHT h

$$3 \text{ cm} \times 2 \text{ cm} \times 4 \text{ cm} = 24 \text{ cm}^3$$

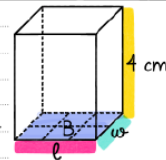
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MacBook Pro

VOLUME OF RECTANGULAR PRISMS 76

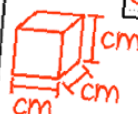
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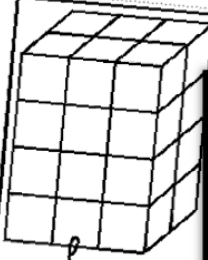
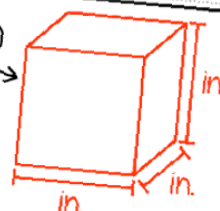
MEASURED IN...

cubic units/
units cubed
unit $\times$ unit $\times$ unit
= unit³



cube centimeter
cm $\times$ cm $\times$ cm = cm³

cube inch
in. $\times$ in. $\times$ in. = in.³



LENGTH l

DETAILED ANSWER KEY

3 cm $\times$ 2 cm $\times$ 4 cm = 24 cm³

FORMULA ②

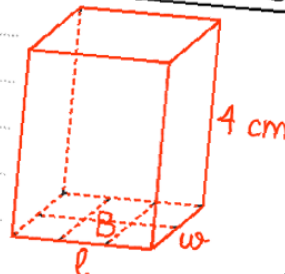
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