

MATH SKETCH NOTES

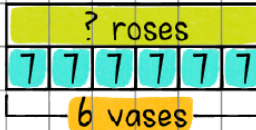
MULTIPLICATION *and* DIVISION SITUATIONS

22
Set 3

EQUAL GROUPS

PRODUCT UNKNOWN

Mia has 6 vases. Each vase holds 7 roses. How many roses does she need?

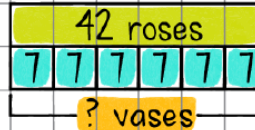


$$6 \times 7 = X$$

$$X \div 6 = 7$$

OF GROUPS UNKNOWN

Mia has 42 roses. One vase holds 7 roses. How many vases does she need?

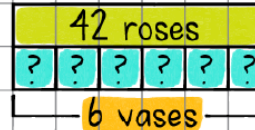


$$X \times 7 = 42$$

$$42 \div X = 7$$

GROUP SIZE UNKNOWN

Mia has 42 roses and 6 vases. How many roses will go in each vase?



$$6 \times X = 42$$

$$42 \div 6 = X$$

AREA/ARRAYS

PRODUCT UNKNOWN

A box holds 3 rows of donuts. Each row fits 5 donuts. How many donuts are in a box?

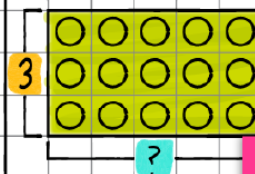


$$3 \times 5 = X$$

$$15 \div 3 = 5$$

ONE DIMENSION UNKNOWN

A box holds 15 donuts. If there are 3 rows in a box, how many donuts are in each row?

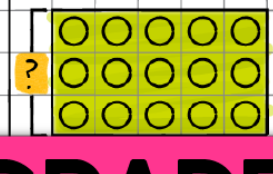


$$3 \times X = 15$$

$$15 \div 3 = X$$

BOTH DIMENSIONS UNKNOWN

A box holds 15 donuts. How many rows are in the box? How many donuts are in each row?



$$15 = X \times Y$$

GRADE 3

MULTIPLICATION and DIVISION SITUATIONS 22 Set 3

PRODUCT UNKNOWN	# OF GROUPS UNKNOWN	GROUP SIZE UNKNOWN
Mia has 6 vases. Each vase holds 7 roses. How many roses does she need?	Mia has 42 roses. One vase holds 7 roses. How many vases does she need?	Mia has 42 roses and 6 vases. How many roses will go in each vase?
? roses 7 7 7 7 7 7 6 vases $6 \times 7 = X$ $X \div 6 = 7$	42 roses 7 7 7 7 7 7 ? vases $X \times 7 = 42$ $42 \div X = 7$	42 roses ? ? ? ? ? ? 6 vases $6 \times ? = 42$ $42 \div 6 = ?$
PRODUCT	ONE DIMENSION	BOTH DIMENSIONS

PRODUCT UNKNOWN	# OF GROUPS UNKNOWN	GROUP SIZE UNKNOWN
Mia has 6 vases. Each vase holds 7 roses. How many roses does she need?	Mia has 42 roses. One vase holds 7 roses. How many vases does she need?	Mia has 42 roses and 6 vases. How many roses will go in each vase?
? roses 7 7 7 7 7 7 6 vases $6 \times 7 = X$ $X \div 6 = 7$	42 roses 7 7 7 7 7 7 ? vases $X \times 7 = 42$ $42 \div X = 7$	42 roses ? ? ? ? ? ? 6 vases $6 \times ? = 42$ $42 \div 6 = ?$
PRODUCT	ONE DIMENSION	BOTH DIMENSIONS

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



5 3 3 3 3 3 3 3 vases $3 \times 5 = X$ $X \div 3 = 5$	? roses 3 3 3 3 3 3 6 vases $6 \times ? = 18$ $18 \div 6 = ?$	18 roses 3 3 3 3 3 3 6 vases $6 \times 3 = 18$ $18 \div 6 = 3$
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STEP-BY-STEP POWERPOINT

MULTIPLICATION and DIVISION SITUATIONS (22)

PRODUCT UNKNOWN	# OF GROUPS UNKNOWN	GROUP SIZE UNKNOWN
Mia has 6 vases. Each vase holds 7 roses. How many roses. How many	Mia has 42 roses. One vase holds 7 roses. How many	Mia has 42 roses and 6 vases. How many roses will go in each vase?

$6 \times 7 = 42$ $42 \div 7 = 6$	$42 \div 6 = 7$ $6 \times 7 = 42$ $42 \div 7 = 6$
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BOTH DIMENSIONS UNKNOWN

A box holds 15 donuts. Each row fits 5 donuts. How many donuts are in a box?	A box holds 15 donuts. If there are 3 rows in a box, how many donuts are in each row?	A box holds 15 donuts. How many rows are in the box? How many donuts are in each row?
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$3 \times 5 = 15$ $15 \div 5 = 3$	$3 \times 5 = 15$ $15 \div 3 = 5$	$3 \times 5 = 15$ $15 \div 3 = 5$
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MacBook Pro

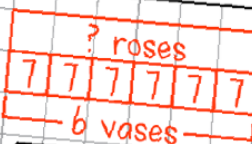
MULTIPLICATION and DIVISION SITUATIONS (22)

Set 3

EQUAL GROUPS

PRODUCT UNKNOWN

Mia has 6 vases. Each vase holds 7 roses. How many roses does she need?

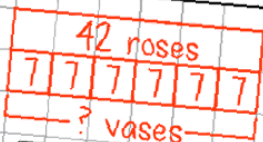


$$6 \times 7 = \boxed{X}$$

$$\boxed{X} \div 6 = 7$$

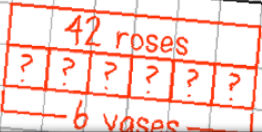
OF GROUPS UNKNOWN

Mia has 42 roses. One vase holds 7 roses. How many vases does she need?



GROUP SIZE UNKNOWN

Mia has 42 roses and 6 vases. How many roses will go in each vase?



DETAILED ANSWER KEY

AREA/ARRAYS

PRODUCT UNKNOWN

A box holds 15 donuts. 3 rows fit in a box. How many donuts are in a box?



$$3 \times 5 = \boxed{X}$$

$$\boxed{X} \div 3 = 5$$

are 3 rows in a box, how many donuts are in each row?



$$3 \times \boxed{X} = 15$$

$$15 \div 3 = \boxed{X}$$

donuts. How many rows are in the box? How many donuts are in each row?



$$\boxed{X} \times \boxed{Y} = 15$$

$$15 \div \boxed{X} = \boxed{Y}$$

MATH SKETCH NOTES

MATH SKETCH NOTES

These 3rd-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!

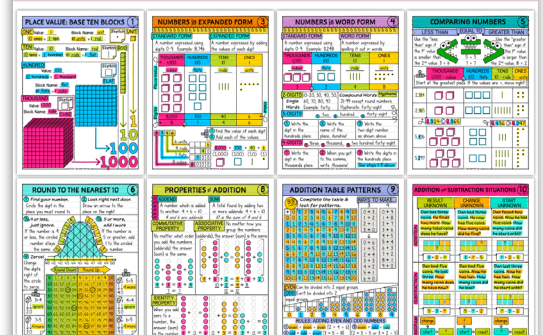
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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!!!

THIRD GRADE MATH GUIDED SKETCH NOTES



GROWING BUNDLE!!!

Helping teachers thrive in the classroom

Teacher THRIVE

Thank you for downloading this resource! There is nothing more rewarding to me than creating resources that make teachers' jobs easier.

Also, thank you for all that you do with our most precious resource—children! Your job is far from easy, so anything I can do to help you brings me great joy. Please feel free to email me anytime with questions, feedback, or comments.

Melissa Tallman
info@teacherthrive.com

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