

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!

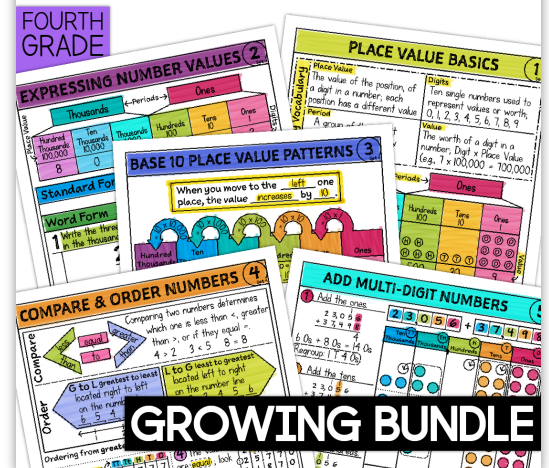
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

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

MULTIPLICATIVE COMPARISONS (24)

Set 4

Product Unknown

$$4 \times 6 = ?$$

A hat costs \$6. A bag costs 4 times as much as a hat. How much does a bag cost?
The bag costs \$24.

Model it!

hat: \$6

bag: \$6 \$6 \$6 \$6
← ? →

Factor Unknown

$$4 \times ? = 24$$

$$24 \div 4 = ?$$

Group size unknown

A bag costs \$24 which is 4 times as much as a hat. How much does a hat cost?
The hat costs \$6.

Model it!

← \$24 →
bag: \$6 \$6 \$6 \$6

hat: \$6

Factor Unknown

$$? \times 6 = 24$$

$$24 \div 6 = ?$$

of groups unknown

A bag costs \$24. A hat costs \$6. How many times as much does the bag cost as the hat?
The bag costs 4 times as much as the hat.

Model it!

hat: \$6

bag: \$6 \$6 \$6 \$6
← \$24 →

Times as many
12 is 2 times as many as 6.

18 is 3 times as many as 6

30 is 10 times as many as 3

16 is 2 times as many as 8

Times as much
15 is 5 times as much as 3.

6 is 2 times as much as 3

24 is 8 times as much as 3

42 is 7 times as much as 6

Times greater
10 is 2 times greater than 5.

14 is 7 times greater than 2

36 is 9 greater

28 is 4 greater than 1

Times more
20 is 4 times more than 5.

32 is 4 times more than 8

GRADE 4

MULTIPLICATIVE COMPARISONS (24)

Product Unknown
 $4 \times 6 = ?$

A hat costs \$6. A bag costs 4 times as much as a hat. How much does a bag cost?
 The bag costs \$24.

Model it!

hat: \$6
 bag: \$6 \$6 \$6 \$6

Factor Unknown
 $4 \times ? = 24$
 $24 \div 4 = ?$
 Group size unknown

A bag costs \$24 which is 4 times as much as a hat. How much does a hat cost?
 The hat costs \$6.

Model it!

← \$24 →
 bag: \$6 \$6 \$6 \$6
 hat: \$6

Factor Unknown
 $? \times 6 = 24$
 $24 \div 6 = ?$
 # of groups unknown

A bag costs \$24. A hat costs \$6. How many times as much does a bag cost as the hat?
 The bag costs 4 times as much as the hat.

Model it!

hat: \$6
 bag: \$6 \$6 \$6 \$6

MULTIPLICATIVE COMPARISONS (24)

Product Unknown
 $4 \times 6 = ?$

A hat costs \$6. A bag costs 4 times as much as a hat. How much does a bag cost?
 The bag costs \$24.

Model it!

hat: \$6

Factor Unknown
 $4 \times ? = 24$
 $24 \div 4 = ?$
 Group size unknown

A bag costs \$24 which is 4 times as much as a hat. How much does a hat cost?
 The hat costs \$6.

Model it!

← \$24 →
 bag: \$6 \$6 \$6 \$6

Factor Unknown
 $? \times 6 = 24$
 $24 \div 6 = ?$
 # of groups unknown

A bag costs \$24. A hat costs \$6. How many times as much does the bag cost as the hat?
 The bag costs 4 times as much as the hat.

Model it!

hat: \$6
 bag: \$6 \$6 \$6 \$6

2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



as many as 6
 30 is 10 times as many as 3
 16 is 2 times as many as 8

as much as 3
 24 is 8 times as much as 3
 42 is 7 times as much as 6

greater than 2
 36 is 9 times greater than 4
 28 is 4 times greater than 7

as much as 8
 16 is 2 times as much as 8

as much as 6
 42 is 7 times as much as 6

greater than 4
 28 is 4 times greater than 7

more than 3
 24 is 7 times more than 3

more than 11
 22 is 2 times more than 11

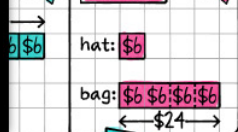
STEP-BY-STEP POWERPOINT

MULTIPLICATIVE COMPARISONS (24)

Product Unknown	Factor Unknown	Factor Unknown
$4 \times 6 = ?$	$4 \times ? = 24$	$? \times 6 = 24$
	$24 \div 4 = ?$	$24 \div 6 = ?$
	Group size unknown	# of groups unknown

A hat costs \$6. A bag costs \$24. How many times as much does the bag cost as the hat?

Model it!



Times as many	Times as much	Times greater	Times more
12 is 2 times as many as 6.	15 is 5 times as much as 3.	10 is 2 times greater than 5.	20 is 4 times more than 5.
18 is 3 times as many as 6.	6 is 2 times as much as 3.	14 is 7 times greater than 2.	32 is 4 times more than 8.
30 is 10 times as many as 3.	24 is 8 times as much as 3.	36 is 9 times greater than 4.	21 is 7 times more than 3.
16 is 2 times as many as 8.	42 is 7 times as much as 6.	28 is 4 times greater than 7.	22 is 2 times more than 11.

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MULTIPLICATIVE COMPARISONS (24)

Set 4

Product Unknown

$$4 \times 6 = ?$$

A hat costs \$6. A bag costs 4 times as much as a hat. How much does a bag cost?

The bag costs \$24.

Model it!

hat: \$6

bag: \$6 \$6 \$6 \$6

← ?

Factor Unknown

$$4 \times ? = 24$$

$$24 \div 4 = ?$$

Group size unknown

A bag costs \$24 which is 4 times as much as a hat. How much does a hat cost?

The hat costs \$6.

Model it!

Factor Unknown

$$? \times 6 = 24$$

$$24 \div 6 = ?$$

of groups unknown

A bag costs \$24. A hat costs \$6. How many times as much does the bag cost as the hat?

The bag costs 4 times as much as the hat.

Model it!

DETAILED ANSWER KEY

Times as many

12 is 2 times as many as 6.

18 is 3 times as many as 6

30 is 10 times as many as 3

16 is 2 times as many as 8

15 is 5 times as much as 3.

6 is 2 times as much as 3

24 is 8 times as much as 3

42 is 7 times as much as 6

Times greater

10 is 2 times greater than 5.

14 is 7 times greater than 2

36 is 9 times greater than 4

28 is 4 times greater than 7

Times more

20 is 4 times more than 5.

32 is 4 times more than 8

21 is 7 times more than 3

22 is 2 times more than 11