

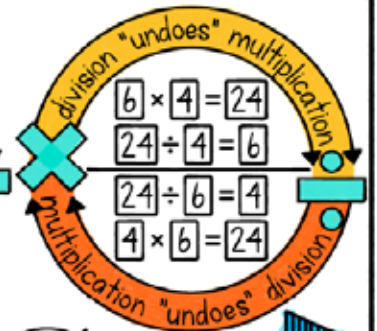
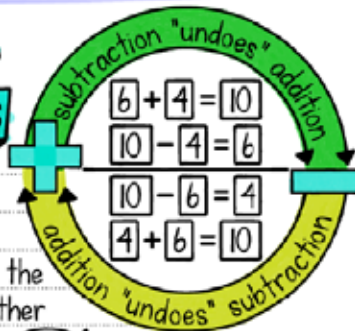
# MATH SKETCH NOTES

## INVERSE OPERATIONS & RECIPROALS

24  
Set 6

### INVERSE OPERATIONS

Mathematical operations that reverse or "undo" the effects of each other



To find the reciprocal of a whole number, divide 1 by the number.

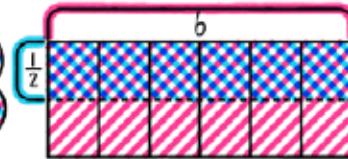


To find the reciprocal of a fraction number, invert/flip it



### RECIPROCAL REVIEW

$$6 \times \frac{1}{2} = 3$$



$$6 \div 2 = 3$$

REMEMBER

Multiplying by a number ( $\frac{1}{2}$ )

is the same as...

dividing by the number's reciprocal (2)



Any rational number

### INVERSE OPERATIONS

$$a \times \frac{1}{b} = a \div b$$

REC

GRADE 6

$$8 \times \frac{1}{5} = 8 \div 5 \quad 7 \times \frac{2}{3} = 7 \div \frac{3}{2} \quad 5 \times \frac{1}{9} = 5 \div 9 \quad 4 \times \frac{1}{8} = 4 \div 8$$

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## INVERSE OPERATIONS & RECIPROCAL (24)

### INVERSE OPERATIONS

Mathematical operations that reverse or "undo" the effects of each other

To find the reciprocal of a whole number, divide 1 by the number.

$$9 \rightarrow \frac{1}{9}$$

To find the reciprocal of a fraction number, invert/flip it

$$\frac{5}{9} \rightarrow \frac{9}{5}$$

$$6 \times \frac{1}{6} = 1 \quad \frac{1}{2} \times 2 = 1 \quad 6 \div 2 = 3$$



## INVERSE OPERATIONS & RECIPROCAL (24)

### INVERSE OPERATIONS

Mathematical operations that reverse or "undo" the effects of each other

To find the reciprocal of a whole number, divide 1 by the number.

$$9 \rightarrow \frac{1}{9}$$

To find the reciprocal of a fraction number, invert/flip it

$$\frac{5}{9} \rightarrow \frac{9}{5}$$

# 2 SIZES: STANDARD US 8.5 × 11 & COMPOSITION NOTEBOOK



### RECIPROCAL

$$8 \times \frac{1}{8} = 1 \quad 7 \times \frac{1}{7} = 1 \quad 5 \times \frac{1}{5} = 1 \quad 4 \times \frac{1}{4} = 1$$

### RECIPROCAL

$$8 \times \frac{1}{8} = 1 \quad 7 \times \frac{1}{7} = 1 \quad 5 \times \frac{1}{5} = 1 \quad 4 \times \frac{1}{4} = 1$$

4 RECIPROALS 4

$4 \times \frac{1}{4} = 1$   $\frac{1}{4} \times 4 = 1$   $5 \times \frac{1}{5} = 1$   $\frac{1}{5} \times 5 = 1$

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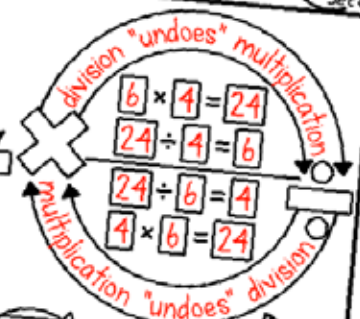
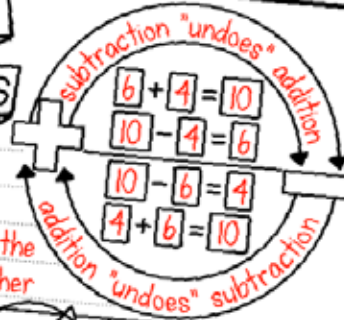
# INVERSE OPERATIONS & RECIPROCAL (24)

## INVERSE OPERATIONS

Mathematical operations that reverse or "undo" the effects of each other

To find the reciprocal of a whole number, divide 1 by the number

To find the reciprocal of a fraction number, invert the fraction



## RECIPROCAL

$$6 \times \frac{1}{6} = 1$$

REMEMBER: Multiply number

Any rational number

$$a \times \frac{1}{a} = 1 \quad \text{and} \quad b \div \frac{1}{b} = 1$$

## RECIPROCAL

$$8 \times \frac{1}{8} = 1 \quad 7 \times \frac{1}{7} = 1 \quad 5 \times \frac{1}{5} = 1 \quad \frac{3}{4} \times \frac{4}{3} = 1$$

# MATH SKETCH NOTES

## MATH SKETCH NOTES

These 6th-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!

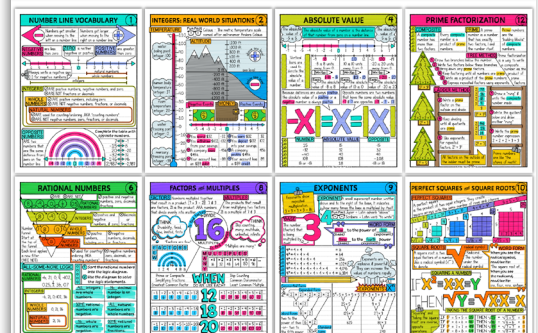
1. PowerPoint: Each sketch note page comes with a step-by-step PowerPoint that you can use to guide your students as they complete their notes.
2. Document Camera: Use a document camera to project a blank copy of the notes. Use the answer key provided to complete the note page in front of your students.

## 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!!!**

## SIXTH GRADE MATH GUIDED SKETCH NOTES



**GROWING BUNDLE**