

Sigma Mathematicians and Scientists

- Math Table of Contents:

- **10/8 Dividing Whole Numbers**

p. 41

Reminders:
Bring tape!

Warm-up: Do now

[Gimkit.com/join](https://www.gimkit.com/join)

Use the back of p. 41 as scratch paper



Charlie



Dividing Decimals Table of Contents:

Draw a line

-
- 9/30 Notes to my forgetful self decimals
 - 9/30^{p. 30} Guided Notes
 - 10/1^{p. 31} Self-Assessment
 - 10/1^{p. 32} Decimal Vocabulary
 - 10/1^{p. 33} Ordering Rational #s
 - 10/3^{p. 34} CYU: +/- Decimals
 - 10/3^{p. 35} Notes to my forgetful self

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Unit 3- Division and Decimals Self Assessment

Name _____

Beginning- 1 or 2 Empty bowl	Approaching- 3 or 4 One Scoop	Proficient- 5 or 6 Two Scoops	Mastery- 7 or 8 Toppings	Evidence
Target 8- I can solve multi-digit division problems.				
				10/8 Dividing Whole Numbers
Target 9- I can add, subtract, multiply, divide multi-digit decimals				
				10/3 Adding + Subtracting decimals 10/4 Multiplying decimals 10/7 Multiplying Decimal



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A cartoon illustration of a smiling man with brown skin and black sunglasses, holding a wooden staff. He is pointing towards a large grey rock in the background. The rock has several mathematical problems written on it in white. The sky is blue with some white clouds.

NUMBEROCK

**LONG
DIVISION**
2 DIGIT DIVISORS

EXAMPLE 1**Divide Whole Numbers by Whole Numbers**

Start by dividing the tens.

$$\begin{array}{r} 4 \\ 18 \overline{)863} \\ \underline{-72} \\ 14 \end{array}$$

- Step 1** Divide
Step 2 Multiply
Step 3 Subtract
Step 4 Compare

Next, bring down the ones. Repeat the steps as needed to complete the division.

$$\begin{array}{r} 47 \text{ R}17 \\ 18 \overline{)863} \\ \underline{-72} \downarrow \\ 143 \\ \underline{-126} \\ 17 \end{array}$$

The answer is reasonable since 47 is close to the estimate, 45.

The bakery can sell complete orders to 47 restaurants.

Mr. Bradford's class brainstormed different symbols and phrases that indicate division. Circle the correct cards below.

"split"

$$460 \div 12$$

"quotient"

$$460 \times 12$$

$$\frac{582}{16}$$

"product"

$$\frac{0.9}{3}$$

"into groups"

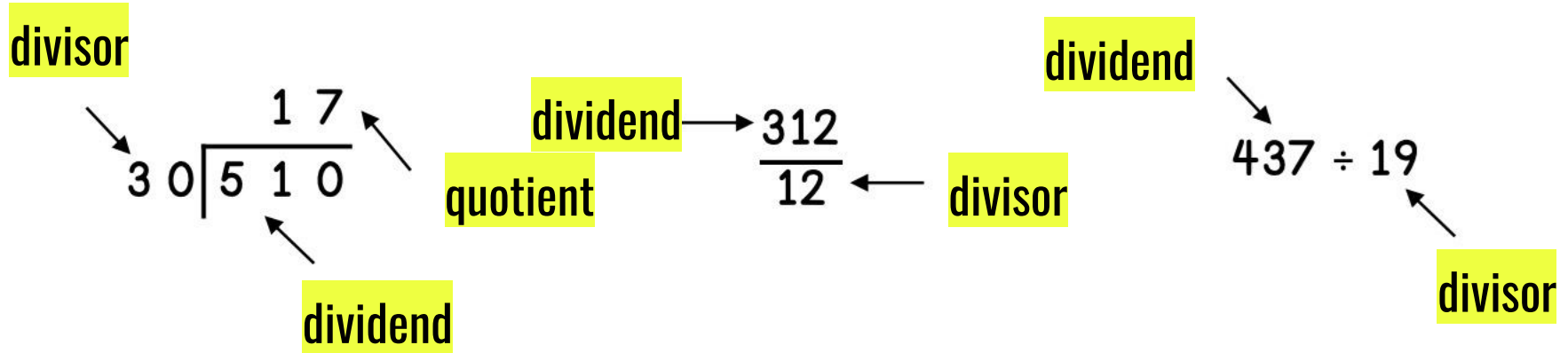
"all together"

$$1\frac{2}{3}$$

$$9 \overline{) 181}$$

$$4 \cdot \frac{8}{9}$$

Label the parts of each division problem below.



Use your previous knowledge of division to solve the problems below. The grids can be used to help organize your work.

				42	
27	 	1134			
	-	108			↓
			54		
			-54		
				0	

27

54

81

108

135



27	 	1134
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Use your previous knowledge of division to solve the problems below. The grids can be used to help organize your work.

			2	0	4	
1	8	3	6	7	2	
	-	<u>3</u>	<u>6</u>	7	2	18
				7		36
				7		54
				-0		72
				<u>7</u>	2	90
				-7	2	108
				<u>0</u>	0	

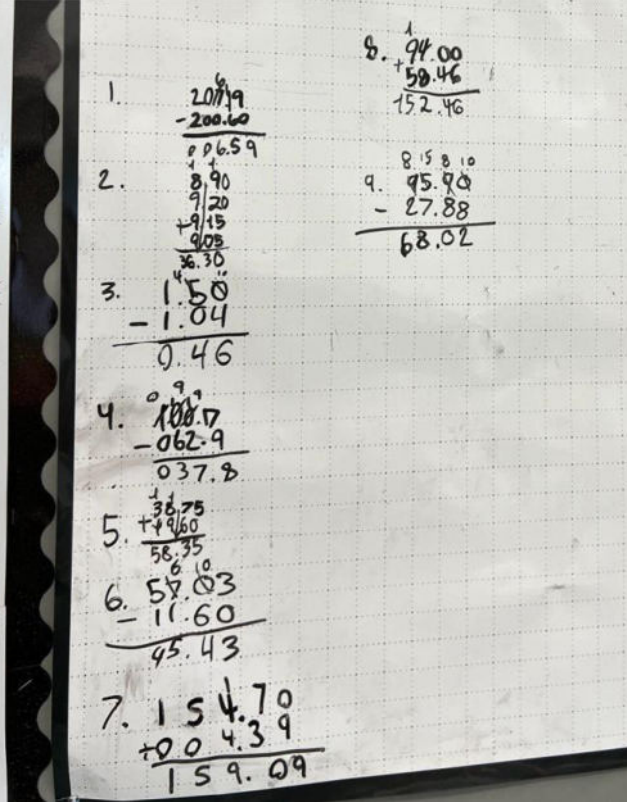
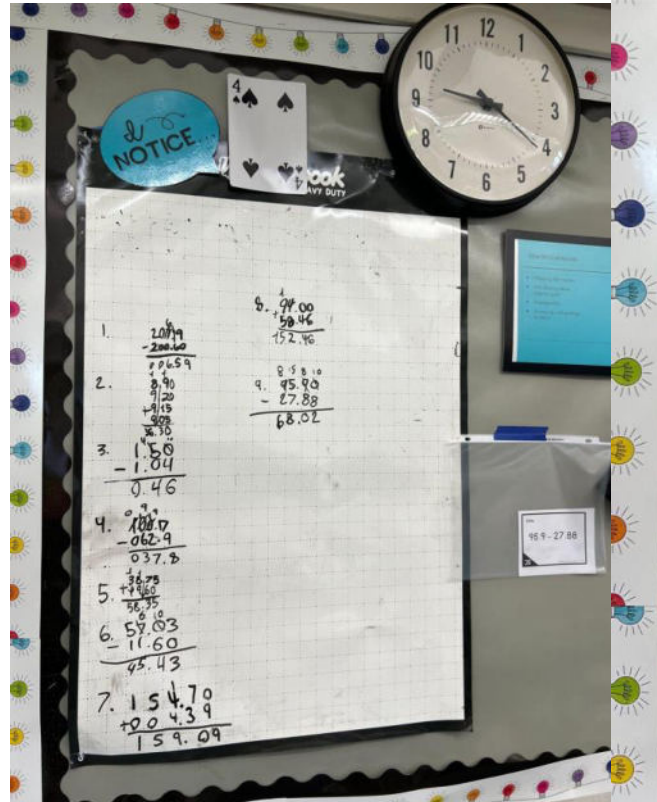
$\begin{array}{r} 3672 \\ \underline{18} \end{array}$

Use your previous knowledge of division to solve the problems below. The grids can be used to help organize your work.

			6	5	3	
	8	5	2	2	4	8
	-	<u>4</u>	8			16
			4	2		24
			4	0		32
		-	<u>4</u>	0		40
				2	4	48
				-2	4	56
						64
						72
					0	80

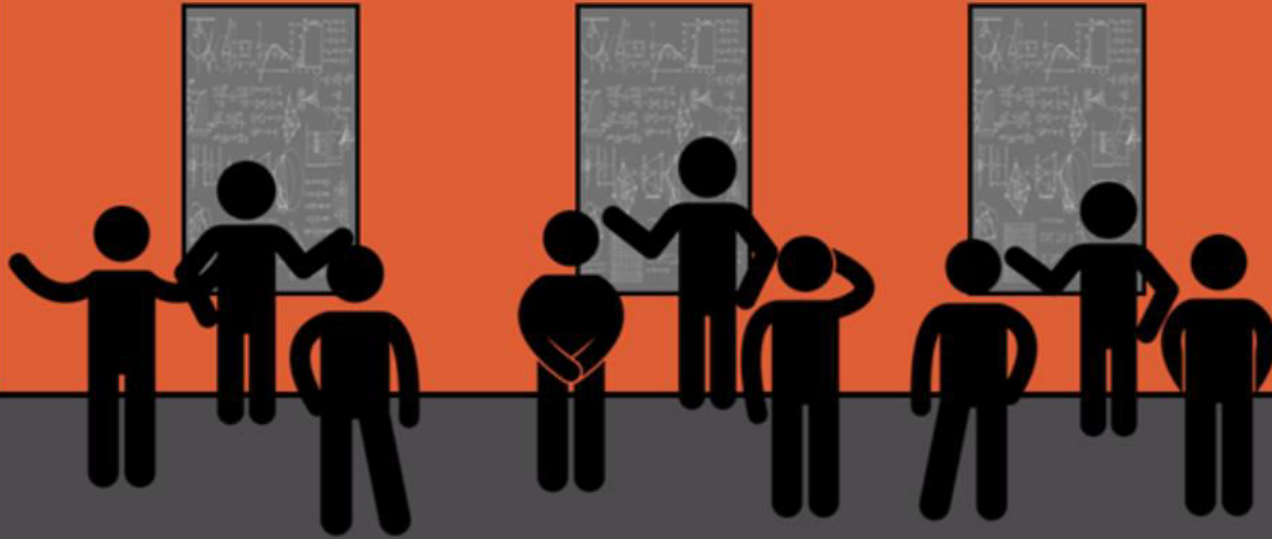
$5,224 \div 8$

Organization



- Show all work
- Number each problem
- Create rows to show

Move to the “squishy middle” of the room...





How We Collaborate

- Hogging the marker
- Not sharing ideas, staying quiet
- Disrespectful
- Giving up, not putting in effort

- Sharing the marker
- Pointing and sharing ideas
- Respectful with kind words and praise
- Persevering



SOLVE EACH LONG DIVISION PROBLEM AND SHOW YOUR WORK IN THE BOXES.

LONG DIVISION

$$\begin{array}{r} \square \square \\ 17 \overline{) 884} \\ \underline{- \square \square} \\ \square \square \square \\ \underline{- \square \square} \\ \square \square \end{array}$$



How We Collaborate

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Notes to my forgetful self p.

Create and solve your own problem

Things to remember:




Check Your Understanding

1. Self-Assess: p. 32

Target 8: Dividing Decimals

2. Mild, Medium, Spicy



Mild 	Medium 	Spicy 
Beginning	Approaching	Proficient
IXL: FL2	IXL: STW	IXL: GZN