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For intervention tips, [click here](#) to head to my blog post,
 “6 Tips for Making Math Intervention Work in the Middle Grades.”

DATA TRACKING

PRE AND POST ASSESSMENT TR

OPERATIONS WITH WHOLE NUMBERS AND DEC

[illegible]

PROGRESS TRACKING

MULTI-DIGIT DIVISION

[illegible]

PROGRESS TRACKING

DIVIDING DECIMALS

[illegible]

PROGRESS TRACKING

DECIMAL APPLICATIONS

[illegible]

TRACK STUDENT PROGRESS

PRE + POST ASSESSMENTS

Name: _____ Date: _____

OPERATIONS WITH WHOLE NUMBERS & DECIMALS PRE-ASSESSMENT

Directions: Find each answer. Show your work.

- 1) Find the GCF of 36 and 8
- 2) Find the GCF of 4 and 22
- 3) Find the LCM of 2 and 6
- 4) Find the LCM of 3 and 8
- 5) Find the quotient of 2,450 and 15
- 6) Find the quotient of 462 and 6
- 7) $13.64 + 174.08$
- 8) $24.8 + 19.25$
- 9) $13.405 - 8.6$
- 10) $12.2 - 7.6$

Name: _____ Date: _____

OPERATIONS WITH WHOLE NUMBERS & DECIMALS ASSESSMENT

Directions: Find each answer. Show your work.

- 1) Find the GCF of 25 and 15
- 2) Find the GCF of 4 and 20
- 3) Find the LCM of 9 and 6
- 4) Find the LCM of 5 and 8
- 5) Find the quotient of 866 and 35
- 6) Find the quotient of 2,678 and 14
- 7) $18.45 + 495.392$
- 8) $385.5 + 54.72$
- 10) $93.45 - 32.55$
- 12) $25.7 \cdot 1.3$
- 14) $9.24 \div 3.5$

Operations with Whole Numbers & Decimals (Pre-Assessment)

Directions: Find each answer. Show your work on a separate piece of paper.

* Required

- 1) Find the GCF of 36 and 8. *

1 point

Your answer



- 2) Find the GCF of 4 and 22. *

Your answer



- 3) Find the LCM of 2 and 6. *

Your answer



Operations with Whole Numbers & Decimals (Post-Assessment)

Directions: Find each answer. Show your work on a separate piece of paper.

* Required

- 1) Find the GCF of 25 and 15. *

1 point

Your answer



- 2) Find the GCF of 4 and 20. *

1 point

Your answer



- 3) Find the LCM of 9 and 6. *

1 point

Your answer



- 4) Find the LCM of 5 and 8. *

1 point

Your answer



- 5) Find the quotient of 866 and 35. If there is a remainder use R. *

1 point

Your answer



PRE/POST
ASSESSMENTS
IN PRINT AND
GOOGLE
FORMS

DECIMAL APPLICATION

Solving Decimal Applications:

- 1. Understand the problem.**
What information do you know? What are you being asked to find?
- 2. Think about the relationship.**
How are the quantities related?
- 3. Choose an operation.**
Decide whether you need to add, subtract, multiply, or divide.
- 4. Estimate.**
About what should the answer be?
- 5. Solve and check.**
Does your answer make sense in the situation?

How I feel about this concept:

- ☐ I Completely Get It ☐ I'm Struggling
☐ I've Almost Got It ☐ I'm Lost

I still don't understand:

Practice:

Directions: Read each problem carefully. Identify what you need to find. Choose an operation, estimate, and solve. Label your answer.

- | | |
|---|---|
| 1) Andrew is 12.8 years old. He is 1.2 years older than Mia. How old is Mia?
Operation: _____ Estimate: _____
Solution: _____ | 4) CJ has \$4.63 on his lunch account. He spends \$1.97 today. How much does he have left?
Operation: _____ Estimate: _____
Solution: _____ |
| 2) You buy 2.3 pounds of apples for \$1.43 per pound. How much do you spend?
Operation: _____ Estimate: _____ | 5) Maria is cutting a 126-inch piece of fabric into 4.5-inch sections. How many sections can she cut?
Operation: _____ Estimate: _____ |

GREATEST COMMON FACTOR

Key Concepts:

Factors are:

Whole numbers that are multiplied together to create a product.

Greatest Common Factor:

The greatest whole number that is a factor of each of the given numbers.

Find the GCF by:

- Listing factors
- Prime factorization

How I feel about this concept:

- ☐ I Completely Get It ☐ I'm Struggling
☐ I've Almost Got It ☐ I'm Lost

I still don't understand:

Practice:

Find the greatest common factor among each pair of numbers.

- | | |
|--------------|--------------|
| 1) 2 and 4 | 5) 4 and 10 |
| 2) 10 and 15 | 6) 12 and 15 |
| 3) 7 and 14 | 7) 10 and 20 |

ADDING DECIMALS

The Steps:

1. Line up the decimals.
2. Add the columns from right to left.
3. Drop the decimal point down into the answer.

Incorrect:	Correct:
$\begin{array}{r} 6.74 \\ + 3.9 \\ \hline \end{array}$	$\begin{array}{r} 6.74 \\ + 3.9 \\ \hline \end{array}$

How I feel about this concept:

- ☐ I Completely Get It ☐ I'm Struggling
☐ I've Almost Got It ☐ I'm Lost

I still don't understand:

Practice:

- | | |
|---------------------|--|
| 1) $46.8 + 55.28$ | |
| 2) $12.5 + 20.06$ | |
| 3) $3.45 + 55.81$ | |
| 4) $1.2 + 1.5$ | |
| 5) $20.43 + 9.45$ | |
| 6) $1.2 + 1.5$ | |
| 7) $20.43 + 9.45$ | |
| 8) $24.65 + 65.234$ | |

DIVIDING DECIMALS

Key Concepts:

Whole Number Divisor:

1. Write the problem using long division.
2. Place the decimal point in the quotient directly above the decimal point in the dividend.
3. Divide using the standard algorithm.
4. Check your answer with multiplication or estimation.

Decimal Divisor:

1. Make the divisor a whole number by multiplying it by a power of 10.
2. Multiply the dividend by the same power of 10.
3. Divide using the standard algorithm.
4. Check that your answer is reasonable.

How I feel about this concept:

- ☐ I Completely Get It ☐ I'm Struggling
☐ I've Almost Got It ☐ I'm Lost

I still don't understand:

Practice:

- | | |
|-------------------|--------------------|
| 1) $15.84 \div 8$ | 2) $9.13 \div 0.1$ |
| 3) $83.1 \div 5$ | 4) $1.92 \div 0.3$ |
| 5) $21.28 \div 4$ | 6) $6.9 \div 1.5$ |
| 7) $58.4 \div 8$ | 8) $4.26 \div 0.6$ |

**GUIDED
PRACTICE
AND
STUDENT
RESPONSE**

EXTRA PRACTICE

GREATEST COMMON FACTOR

Directions: Find the GCF of each pair of numbers.

- 1) 18 and 15
- 2) 14 and 2
- 3) 4 and 30
- 4) 6 and 2
- 5) 15 and 8
- 6) 4 and 15
- 7) 12 and 15
- 8) 4 and 5
- 9) 15 and 40
- 10) 30 and 6

EXTRA PRACTICE

MULTI-DIGIT DIVISION

Directions: Find each quotient. Show your work.

- 1) $76 \div 38$
- 2) $2,374 \div 15$
- 3) $1,140 \div 30$
- 4) $888 \div 37$
- 5) $637 \div 18$
- 6) $2,000 \div 19$
- 7) $380 \div 40$
- 8) $1,259 \div 35$

EXTRA PRACTICE

MULTIPLYING DECIMALS

Directions: Find each product. Show your work.

- 1) 3.53×0.4
- 2) 6.1×3.26
- 3) 1.3×6.15
- 4) 5.8×3.4
- 5) 9.4×1.23
- 6) 51×3.5
- 7) 10.7×3.2
- 8) 9.6×3.4
- 9) 12.4×3.54
- 10) 1.1×1.1
- 11) 1.1×1.1
- 12) 1.1×1.1
- 13) 3.5×4.3
- 14) 9.03×4.3

EXTRA PRACTICE

DECIMAL APPLICATIONS

Directions: Read each problem carefully. Choose the operation(s) needed to solve. Show your work and label your answer.

- 1) Watermelons cost \$1.25 per pound. You buy a 4.4-pound watermelon. How much do you pay?
- 2) Jake runs 2.6 miles a day for 7 days. How many miles has he completed by the end of the week?
- 3) Nina has 3.6 yards of fabric that she cuts into 4 equal sections. How long is each section?
- 4) A cookie recipe calls for 2.5 cups of sugar. You only have 1.8 cups. How much more sugar do you need?
- 5) Aaron finished a sprint in 28.5 seconds. Erik finished in 29.2 seconds. How much faster was Aaron?
- 6) Bernice made 5.01 pounds of mashed potatoes. Her family ate 2.3 pounds at dinner and 1.9 pounds the next day. How many pounds are left?
- 7) Hakeem bought 8 cans of corn for \$0.85 each. How much does he pay?
- 8) Rachel is mixing up juice. She needs 1.6 teaspoons of sugar for one serving. How much sugar is needed for 2.5 servings?
- 9) Gabriella buys 4.5 yards of ribbon for \$0.80 per yard. How much does she pay?
- 10) Four friends split the cost of a \$45.84 trip to the movies. How much does each friend pay?

**BASIC
PRACTICE
FOR EACH
SKILL**

ERROR ANALYSIS

DECIMAL APPLICATION

Directions: Identify and correct each error.

- 1) Rachelle is buying food for a party. She picks up strawberries for \$4.99, a watermelon for \$7.32, and blueberries for \$0.09. How much does she spend on fruit?

$$4.99 + 7.32 + 0.09 = \text{Rachelle spends } \$12.40 \text{ on fruit.}$$

- 2) Henry bought 8 DVDs for \$19.99 each. How much does Henry spend on the DVDs?

$$8 + 19.99 = \text{Henry spends } \$27.99$$

- 3) Brit ran 3.5 miles in 25.5 minutes. What was her average pace per mile?

$$3.5 \times 25.5 = 89.25 \text{ minutes}$$

ERROR ANALYSIS

MULTI-DIGIT DIVISION

Directions: Identify and correct each error.

$$\begin{array}{r} 103 \\ 15 \overline{) 165} \\ \underline{-15} \\ 1 \\ \underline{-0} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

What should the correct answer be? _____

Show your work:

$$\begin{array}{r} 310R2 \\ 32 \overline{) 992} \\ \underline{-64} \\ 322 \\ \underline{-320} \\ 2 \end{array}$$

What should the correct answer be? _____

Show your work:

$$\begin{array}{r} 46R2 \\ 11 \overline{) 528} \\ \underline{-44} \\ 68 \\ \underline{-66} \\ 2 \end{array}$$

What should the correct answer be? _____

Show your work:

$$\begin{array}{r} 109 \\ 304 \overline{) 3304} \\ \underline{-16} \\ 14 \\ \underline{-0} \\ 144 \\ \underline{-144} \\ 0 \end{array}$$

What should the correct answer be? _____

Show your work:

ERROR ANALYSIS

SUBTRACTING DECIMALS

Directions: Identify and correct each error.

- 1) $35.43 - 0.454 = 34.984$

$$\begin{array}{r} 35.43 \\ - 0.454 \\ \hline 34.984 \end{array}$$

- 6) $8.3 - 1.39 = 7.09$

$$\begin{array}{r} 8.3 \\ - 1.39 \\ \hline 7.09 \end{array}$$

- 2) $10.43 - 0.5 = 5.43$

$$\begin{array}{r} 10.43 \\ - 0.5 \\ \hline 5.43 \end{array}$$

- 7) $40.59 - 12 = 40.47$

$$\begin{array}{r} 40.59 \\ - 12 \\ \hline 40.47 \end{array}$$

- 3) $45.4 - 8.2 = 53.6$

$$\begin{array}{r} 45.4 \\ + 8.2 \\ \hline 53.6 \end{array}$$

- 8) $5.61 - 3.2 = 5.29$

$$\begin{array}{r} 5.61 \\ - 3.2 \\ \hline 5.29 \end{array}$$

- 4) $40.8 - 0.43 = 11.5$

$$\begin{array}{r} 40.8 \\ - 0.43 \\ \hline 40.37 \end{array}$$

- 5) $20.00 - 2.17 = 27.83$

$$\begin{array}{r} 20.00 \\ - 2.17 \\ \hline 19.51 \end{array}$$

STUDENTS
IDENTIFY
AND
CORRECT
ERRORS

ERROR ANALYSIS

MULTIPLYING DECIMALS

Directions: Identify and correct each error.

- 1) $3.53 \times 0.4 = 14.12$

- 2) $8.34 \times 1.3 = 108.42$

- 3) $1.3 \times 6.15 = 79.95$

- 4) $3.5 \times 8.22 = 2.877$

- 5) $9.4 \times 1.23 = 11.28$

- 6) $6.1 \times 3.26 = 198.86$

- 7) $10.7 \times 3.2 = 342.4$

- 8) $5.8 \times 3.4 = 1.972$

- 9) $13.4 \times 2.4 = 3.216$

- 10) $4.1 \times 2.5 = 10.25$