PRACTICE: CC.6.NS.3

Name Key Date

REVIEW: DECIMALS QUIZ 2

The quiz on _____ will cover the following topics.

- Rounding Decimals and Whole Numbers, Reading and Writing Decimals
- Adding, Subtracting, Multiplying Decimals
- Word Problems involving Adding, Subtracting, and Multiplying Decimals
- Division Word Problems (similar to those on the Jigsaw Activity)

VOCABULARY: sum, difference, product, factors

DIRECTIONS: FIRST, FILL IN THE THINK BOXES TO HELP YOU BEGIN THINKING ABOUT EACH PROBLEM. THEN, ANSWER THE QUESTIONS REFERRING TO YOUR CLASS NOTES, IF NEEDED.

ADDING AND SUBTRACTING DECIMALS:

1. 12 + 18.4 + 23.86

54.26

2. 14 + 26 + 56.78

96.78

Think Box:

What do you need to remember when adding and subtracting decimals?

Line up the digits by place value.

3. 78 - 65.2

12.8

4. 34.7 - 12.845

21.855

MULTIPLYING DECIMALS:

5. 2.4 × 11.5

27.6

6. (0.12)(13)

1.56

Think Box:

What do you need to remember when multiplying decimals?

Ignore the decimal point when multiplying.

What symbols are used to represent multiplication?

( ) X •

WORD PROBLEMS Use the 4-Step Problem Solving Process to answer the following.

7. ~~Matt~~ Max has to drive 193 miles to visit his grandparents. He drives 85.46 miles and then stops to get gas. How many miles does Max have left to drive?

Max has 107.54 miles left to drive.

Think Box:

What are the 4 Steps in the Problem-Solving Process?

1. Understand
2. Plan
3. DO
4. Check

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8. A diver scores 6.892, 7.935, 6.253, and 8.025 in four dives. If the diver wants to achieve a total score of 35.35 on five dives, what would he need to score on his last dive?

The diver would need a 6.245 on his last dive.

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9. Dan worked 6.2 hours each day for 5 days. He earned $18.75 per hour. How much did Dan earn in all?

Dan earns $581.25 for the 5 days.

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10. A group of 347 people have signed up for a bus trip to a baseball game. Each bus holds a maximum of 42 passengers. How many buses will be needed to take all the people to the game?

9 buses will be needed to take all the people to the game.