

Name: \_\_\_\_\_

Class: \_\_\_\_\_

## G4 Maths Unit 1.1: Multiplying and Dividing Decimals

### Part 1: Move the Decimal Point!

\*When we multiply by 10, 100, or 1000, the decimal point moves to the right.

When we divide by 10, 100, or 1000, the decimal point moves to the left.

A. Multiply.

$$2.5 \times 10 = \underline{\hspace{2cm}}$$

$$6.72 \times 10 = \underline{\hspace{2cm}}$$

$$0.9 \times 100 = \underline{\hspace{2cm}}$$

$$15.8 \times 100 = \underline{\hspace{2cm}}$$

$$1.31 \times 1000 = \underline{\hspace{2cm}}$$

$$5.02 \times 1000 = \underline{\hspace{2cm}}$$

B. Divide.

$$45 \div 10 = \underline{\hspace{2cm}}$$

$$7.3 \div 10 = \underline{\hspace{2cm}}$$

$$234 \div 100 = \underline{\hspace{2cm}}$$

$$82.5 \div 100 = \underline{\hspace{2cm}}$$

$$900 \div 1000 = \underline{\hspace{2cm}}$$

$$6.4 \div 1000 = \underline{\hspace{2cm}}$$

### Part 2: Mastery Questions

These questions ask you to think more deeply about what you are doing.

1) Look at this equation:  $540 \div \underline{\hspace{1cm}} = 5.4$

What number should be in the blank? How do you know?

Answer: \_\_\_\_\_

2) Fill in the blanks to complete the pattern.

$$3.2 \times 10 = 32$$

$$3.2 \times 100 = \underline{\hspace{2cm}}$$

$$3.2 \times \underline{\hspace{1cm}} = 3200$$

3) Circle the correct answer.

When you multiply 4.25 by 100, is the answer bigger or smaller than 4.25? Why?

(Bigger / Smaller)

Reason: \_\_\_\_\_

### Part 3: Word Problems

Read the problems carefully and solve them.

1) A store buys a box of 100 pencils. Each pencil costs £0.85. How much does the whole box cost?

Answer: The box of pencils costs £ \_\_\_\_\_

2) A rope is 15.5 meters long. A worker needs to cut it into 10 equal pieces. How long will each piece of rope be?

Answer: Each piece of rope will be \_\_\_\_\_ meters long.

### Part 4: Create Your Own Problem

Write your own word problem using multiplication or division by 10, 100, or 1000. Then, solve it!

My Word Problem:

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My Solution:

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### Part 5: Extension Activity – Challenge Yourself!

Find two different numbers that can be multiplied together to make 52.8.

One of the numbers must be 10, 100, or 1000.

The other number must be a decimal.

Example:  $5.28 \times 10 = 52.8$

Find three more combinations!

$$\underline{\quad} \times \underline{\quad} = 52.8$$

$$\underline{\quad} \times \underline{\quad} = 52.8$$

$$\underline{\quad} \times \underline{\quad} = 52.8$$