Name_____ Date_____ Period_____

LESSON 5-4 · SESSION 1 · PREREQUISITE PRACTICE A · SKILL 1 OF 2

Multiply Decimals by Whole Numbers

Builds on Grade 5 · 5.NBT.B.7

TODAY'S LESSON	You will find the area of a regular polygon with a decimal apothem, like 7.8 ft.
YOU NEED TO	Multiply a decimal by a whole number, like 8.7 × 6. **You will use it in Practice Form A, problems 2, 6, and 8.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Ignore** the decimal point. Multiply the whole numbers.
2. **Count** the digits after the point in the decimal.
3. **Place** the point so the answer has that many digits after it.

WATCH ME

the steps in action

Find 8.7 × 6.

Step 1 87 × 6 = 522.

Step 2 8.7 has 1 digit after the point.

Step 3 Put 1 digit after the point: 52.2.

Answer **52.2**

TRY IT WITH HELP

fill in each step

1. Find 3.9 × 4.

Step 1 39 × 4 = _____

Step 2 3.9 has _____ digit after the point.

Step 3 3.9 × 4 = _____

2. Find 7.2 × 3.

Step 1 72 × 3 = _____

Step 2 7.2 has _____ digit after the point.

Step 3 7.2 × 3 = _____

YOUR TURN

use the steps on your own

3. Multiply.

a. 1.2 × 3 = _____ **b.** 2.5 × 4 = _____ **c.** 0.6 × 7 = _____

d. 6.4 × 5 = _____ **e.** 12.4 × 2 = _____ **f.** 4.5 × 6 = _____

Perimeter of Regular Polygons

Builds on Grade 3 · 3.MD.D.8

TODAY'S LESSON	You will split a regular hexagon into 6 center triangles.
YOU NEED TO	Know how many sides a polygon has, like 6 for a hexagon. **You will use it in Practice Form A, problems 2, 3, and 4.**

STEPS TO FOLLOW

use these same steps on every problem

1. **Name** the shape. Write its number of sides.
2. **Write** the side length.
3. **Multiply**: number of sides × side length.

WATCH ME

the steps in action

A regular hexagon has sides of 9 cm. Find its perimeter.

Step 1 A hexagon has 6 sides.
Step 2 Each side is 9 cm.
Step 3 6 × 9 = 54.
Answer **54 cm**

TRY IT WITH HELP

fill in each step

4. A regular pentagon has sides of 12 m. Find its perimeter.

Step 1 A pentagon has _____ sides.
Step 2 Each side is _____ m.
Step 3 5 × 12 = _____ m

5. A regular octagon has sides of 5 ft. Find its perimeter.

Step 1 An octagon has _____ sides.
Step 2 Each side is _____ ft.
Step 3 8 × 5 = _____ ft

YOUR TURN

use the steps on your own

6. Find the perimeter of each regular polygon.

a. square, 15 cm _____
b. triangle, 21 yd _____
c. hexagon, 8 in _____
d. pentagon, 7 m _____
e. octagon, 4 ft _____
f. hexagon, 2.5 m _____

READY CHECK

a problem like the one in today's lesson

7. A regular pentagon is split into center triangles. How many are there?

A 4 **B** 5 **C** 6 **D** 10

CHECK YOURSELF ☐ I can do this on my own ☐ I need a little help ☐ I have a question about #____