

Unit 5: Place Value Patterns and Decimal Operations

CONCEPT · SET 2

Name: _____ Date: _____

Solve each problem. Show your work and write each answer as a number.

1. A gecko's tail is 0.7 cm wide. A poster shows the tail 10 times as wide. How wide is the tail on the poster, in centimeters? (0.7×10)

Answer: _____

3. One raindrop holds 4.5 milliliters of water in a science model. How much water is in 10^2 raindrops? (4.5×10^2)

Answer: _____

5. A stack of 10^2 game cards weighs 45 grams. Every card weighs the same. How many grams does one card weigh? ($45 \div 10^2$)

Answer: _____

7. Look at the number 6.66. The 6 in the tenths place has a value how many times as big as the 6 in the hundredths place?

Answer: _____

9. A snow gauge held 5.2 inches of snow. By noon, 3.65 inches had melted away. How many inches of snow were left?

Answer: _____

11. A tiny tile is 0.6 meters long and 0.3 meters wide. Multiply the two numbers: 0.6×0.3 . What is the product?

Answer: _____

2. A craft store sells beads in big jars. Each jar holds 10^3 beads. Write 10^3 as a regular number.

Answer: _____

4. Ten identical bird feeders hold 86.3 grams of seed in total. Each feeder holds the same amount. How many grams of seed are in one feeder? ($86.3 \div 10$)

Answer: _____

6. A snail crawled 3.478 meters. What is the value of the digit 7 in 3.478? Write it as a decimal.

Answer: _____

8. Mina's hamster weighs 2.35 ounces. Her gerbil weighs 1.4 ounces. What is the total weight of both pets, in ounces?

Answer: _____

10. Each glass marble weighs 1.25 grams. What is the weight of 4 marbles, in grams?

Answer: _____

12. A kite string is 9.6 meters long. It is cut into 8 equal pieces. How many meters long is each piece?

Answer: _____