

Unit 5: Place Value Patterns and Decimal Operations

PRACTICE · SET 3

Name: _____ Date: _____

Solve each problem and write one exact answer (no rounding unless the problem says to); work it out on scrap paper first.

1. One grain of rice weighs 0.021 grams. What is the weight of 10^3 grains of rice, in grams?

Answer: _____

3. In the number 4.44, the value of the 4 in the ones place is how many times the value of the 4 in the tenths place?

Answer: _____

5. Mira's pet snail crawled 0.375 meters on Monday and 0.4 meters on Tuesday. How many meters did it crawl in all?

Answer: _____

7. A floor tile is 0.35 meters long and 0.4 meters wide. What is its area, in square meters?

Answer: _____

9. A 4.5 kilogram bag of birdseed is shared equally among 6 bird feeders. How many kilograms of seed go in each feeder?

Answer: _____

11. Trading cards are each 0.08 centimeters thick. A neat stack of them is 5.6 centimeters tall. How many cards are in the stack?

Answer: _____

2. A climbing rope is 68.4 meters long. It is cut into 10^2 equal pieces. How long is each piece, in meters?

Answer: _____

4. Write this number in standard decimal form: $6 \times 10 + 3 \times (1/10) + 8 \times (1/1000)$

Answer: _____

6. A rain gauge held 5 centimeters of water. After a hot day, 2.63 centimeters had evaporated. How many centimeters of water were left?

Answer: _____

8. A bubble tea costs \$3.85. Kai buys 4 of them and pays with a \$20 bill. How much change does Kai get?

Answer: _____

10. A camp jug holds 7.5 liters of lemonade. Each cup holds 0.25 liters. How many full cups can be poured?

Answer: _____

12. In the equation $0.53 \times 10^n = 530$, what is the value of n ?

Answer: _____