



Grade 5 Decimal Place Value

Name: _____

Date: _____

Place Value Word Problems

Problem 1: Grocery Shopping

Liam bought the following items at the grocery store:

- Apples: \$3.25
- Bananas: \$1.75
- Milk: \$2.40

Questions:

1. What is the total cost of the apples and bananas?

Answer: _____

2. What is the place value of the digit 2 in the price of the milk?

Answer: _____

Problem 2: Reading Books

Emma read the following pages in her favorite book over three days:

- Day 1: 12.5 pages
- Day 2: 15.75 pages

Grade 5 Decimal Place Value

- Day 3: 10.2 pages

Questions

3. How many pages did Emma read in total?

Answer: _____

4. What is the place value of the digit 5 in the pages read on Day 1?

Answer: _____

Problem 3: Building a Model

Noah is building a model airplane and the lengths of the wings are:

- Wing 1: 4.6 inches

- Wing 2: 4.8 inches

Questions:

5. What is the total length of both wings?

Answer: _____

6. What is the place value of the digit 6 in the length of Wing 1?

Answer: _____

Problem 4: Running Distances

Sophie ran the following distances in miles:

Grade 5 Decimal Place Value

- First run: 3.2 miles
- Second run: 2.75 miles
- Third run: 1.85 miles

Questions:

7. What is the total distance Sophie ran?

Answer: _____

8. What is the place value of the digit 8 in the distance of the third run?

Answer: _____

Problem 5: Baking Cupcakes

A recipe calls for the following amounts of ingredients:

- Sugar: 0.5 cups
- Flour: 1.25 cups
- Milk: 0.75 cups

Questions:

9. How many cups of ingredients does the recipe call for in total?

Answer: _____

10. What is the place value of the digit 5 in the amount of sugar?

Answer: _____

Grade 5 Decimal Place Value

Answer Key

Problem 1:

1. \$5.00

2. tenths

Problem 2:

3. 38.45 pages

4. tenths

Problem 3:

5. 9.4 inches

6. tenths

Problem 4:

7. 7.1 miles

8. tenths

Problem 5:

9. 2.5 cups

10. tenths