



Grade 5 Decimal Place Value

Name: _____

Date: _____

Place Value Word Problems

Problem 1: Grocery Shopping

Maria went shopping and bought three items. The prices were:

- A shirt: \$15.98
- A pair of jeans: \$24.75
- A hat: \$8.50

Questions:

1. What is the place value of the digit 9 in the price of the shirt?

Answer: _____

2. What is the total cost of the items Maria bought?

Answer: _____

Problem 2: Baking Cookies

Jake is baking cookies for a school event. He uses the following amounts of ingredients:

- 0.5 cups of sugar

Grade 5 Decimal Place Value

- 0.75 cups of flour
- 0.25 cups of butter

Questions:

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

Answer: _____

4. How many cups of ingredients does Jake use in total?

Answer: _____

Problem 3: Running a Race

During a race, Sarah ran the following distances:

- First lap: 1.25 miles
- Second lap: 1.5 miles
- Third lap: 1.75 miles

Questions:

5. What is the value of the digit 5 in the distance of the third lap?

Answer: _____

6. What is the total distance Sarah ran in miles?

Answer: _____

Grade 5 Decimal Place Value

Problem 4: Filling a Tank

A water tank can hold 10.5 gallons. After filling it, there are 4.75 gallons of water remaining.

Questions:

7. What is the place value of the digit 4 in the amount of remaining water?

Answer: _____

8. How many gallons of water were used to fill the tank?

Answer: _____

Problem 5: Planting Trees

A gardener planted trees in the following patterns:

- Row 1: 2.4 meters apart

- Row 2: 3.1 meters apart

- Row 3: 4.5 meters apart

Questions:

9. What is the place value of the digit 1 in the distance of Row 2?

Answer: _____

10. What is the total distance between all the trees planted in meters?

Answer: _____

Grade 5 Decimal Place Value

Answer Key

Problem 1:

1. tenths

2. \$49.23

Problem 2:

3. tenths

4. 1.5 cups

Problem 3:

5. hundredths

6. 4.5 miles

Problem 4:

7. ones

8. 5.75 gallons

Problem 5:

9. tenths

10. 9.0 meters