Scenario Questions: Round to 2 decimal places

1. A grocery store sells apples for £0.75 per pound. If a customer buys 3.5 pounds of apples, how much does it cost?

2. A rectangular swimming pool is 9.5 meters long and 4.2 meters wide. How large is the area of the floor of the pool? (Area of rectangle = length x width)

3. A recipe calls for 2.75 cups of milk, but you want to make it for 5 people. How many cups of milk do you need?

4. A toy car costs £12.50, and a store offers a 15% discount. How much will the customer pay after the discount is applied? (To apply 15% discount multiply by 0.85)

5. A tank holds 25.5 gallons of water. If each day 2.25 gallons are added to the tank, how much water will be in the tank after 10 days?

Scenario Questions: Round to 2 decimal places

6. A sheet of paper measures 8.75 inches in length and 5.6 inches in width. What is the total area of the paper? (Area of rectangle = length x width)

7. A store offers a 10% tax on an item that costs £79.99. How much will the customer pay, including the tax? (To add 10% multiply by 1.1)

8. A rectangular room has dimensions of 10.5 feet in length and 7.5 feet in width. What is the total area of the room in square feet?

9. A recipe for a smoothie calls for 0.75 cups of berries. If you want to make it for 6 people, how many cups of berries do you need in total?

10. A store sells a product for £2.99 per pound, and a customer buys 1.5 pounds. How much will the customer pay?

22. How to multiply decimal numbers without a calculator

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Scenario Questions: Answers

1. A grocery store sells apples for £0.75 per pound. If a customer buys 3.5 pounds of apples, how much does it cost?

1. The cost of 3.5 pounds of apples is £2.63.

2. A rectangular swimming pool is 9.5 meters long and 4.2 meters wide. How large is the area of the floor of the pool?

2. The area of the floor of the pool is 39.9 square meters.

3. A recipe calls for 2.75 cups of milk, but you want to make it for 5 people. How many cups of milk do you need?

3. You will need 13.75 cups of milk.

4. A toy car costs £12.50, and a store offers a 15% discount. How much will the customer pay after the discount is applied?

4. The customer will pay £10.63 after the discount is applied.

5. A tank holds 25.5 gallons of water. If each day 2.25 gallons are added to the tank, how much water will be in the tank after 10 days?

5. There will be 48 gallons of water in the tank after 10 days.

6. A sheet of paper measures 8.75 inches in length and 5.6 inches in width. What is the total area of the paper?

6. The total area of the paper is 49 square inches.

7. A store offers a 10% tax on an item that costs £79.99. How much will the customer pay, including the tax?

7. The customer will pay £87.99, including the tax.

8. A rectangular room has dimensions of 10.5 feet in length and 7.5 feet in width. What is the total area of the room in square feet?

8. The total area of the room is 78.75 square feet.

9. A recipe for a smoothie calls for 0.75 cups of berries. If you want to make it for 6 people, how many cups of berries do you need in total?

9. You will need 4.5 cups of berries in total.

10. A store sells a product for £2.99 per pound, and a customer buys 1.5 pounds. How much will the customer pay?

10. The customer will pay £4.49.