

## 21. How to add and subtract decimal numbers without a calculator



### Scenario Questions:

1. A store had 5.75 kg of apples and received a shipment of 3.25 kg. How many kilograms of apples does the store have now?
2. Sarah had £12.50 and spent £4.75 on a book. How much money does she have left?
3. A recipe calls for 2.5 cups of flour, but you only have 1.75 cups. How much more flour do you need to complete the recipe?
4. A car traveled 45.6 miles and then stopped for gas. After refuelling, it traveled an additional 32.8 miles. How far did the car travel in total?
5. A student scored 85.6% on a maths test and 92.3% on a science test. How much more did the score in science?

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### Scenario Questions:

6. A swimming pool initially contained 10.5 litres of water. After a few hours, 3.89 litres of water evaporated. How much water is left in the pool?

7. A company had a profit of £4,567.89 in the first quarter and a loss of £2,345.67 in the second quarter. What was the company's net profit or loss for the first half of the year?

8. A box contained 5.67 kg of oranges. After selling 2.34 kg of oranges, how much weight of oranges is left in the box?

9. A marathon runner completed 26.2 miles and then ran an additional 6.78 miles during a training session. How many miles did the runner cover in total?

10. A student earned 95.6% on a science test, and 92.8% on a history test. What was the difference between the two results?

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## Scenario Questions: **Answers**

1. A store had 5.75 kg of apples and received a shipment of 3.25 kg. How many kilograms of apples does the store have now?

**1. 9.00 kg**

2. Sarah had £12.50 and spent £4.75 on a book. How much money does she have left?

**2. £7.75**

3. A recipe calls for 2.5 cups of flour, but you only have 1.75 cups. How much more flour do you need to complete the recipe?

**3. 0.75 cups**

4. A car traveled 45.6 miles and then stopped for gas. After refuelling, it traveled an additional 32.8 miles. How far did the car travel in total?

**4. 78.4 miles**

5. A student scored 85.6% on a maths test and 92.3% on a science test. How much more did the score in science?

**5. 6.7%**

6. A swimming pool initially contained 10.5 litres of water. After a few hours, 3.89 litres of water evaporated. How much water is left in the pool?

**6. 6.61 litres**

7. A company had a profit of £4,567.89 in the first quarter and a loss of £2,345.67 in the second quarter. What was the company's net profit or loss for the first half of the year?

**7. £2,222.22 (net profit)**

8. A box contained 5.67 kg of oranges. After selling 2.34 kg of oranges, how much weight of oranges is left in the box?

**8. 3.33 kg**

9. A marathon runner completed 26.2 miles and then ran an additional 6.78 miles during a training session. How many miles did the runner cover in total?

**9. 32.98 miles**

10. A student earned 95.6% on a science test, and 92.8% on a history test. What was the difference between the two results?

**10. 2.8%**