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## Comparison of decimal numbers

### 1. Rupees and Paise:

1. ₹5.50 vs ₹5.45
2. ₹2.75 vs ₹3.10
3. ₹7.89 vs ₹7.90
4. ₹0.99 vs ₹1.00
5. ₹10.05 vs ₹10.50

#### Answer:

1. ₹5.50 is greater.
2. ₹3.10 is greater.
3. ₹7.90 is greater.
4. ₹1.00 is greater.
5. ₹10.50 is greater.

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### 2. Meters and Centimeters:

1. 1.45 m vs 145 cm
2. 3.25 m vs 325 cm
3. 0.80 m vs 80 cm
4. 2.70 m vs 275 cm
5. 5.00 m vs 4.95 m

**Answer:**

1. They are equal ( $1.45 \text{ m} = 145 \text{ cm}$ ).
  2. They are equal ( $3.25 \text{ m} = 325 \text{ cm}$ ).
  3. They are equal ( $0.80 \text{ m} = 80 \text{ cm}$ ).
  4. 2.70 m is smaller ( $270 \text{ cm} < 275 \text{ cm}$ ).
  5. 5.00 m is greater.
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**3. Centimeters and Millimeters:**

1. 7.5 cm vs 75 mm
2. 12.0 cm vs 120 mm
3. 10.2 cm vs 100 mm
4. 15.75 cm vs 157 mm
5. 5.50 cm vs 550 mm

**Answer:**

1. They are equal ( $7.5 \text{ cm} = 75 \text{ mm}$ ).
  2. They are equal ( $12.0 \text{ cm} = 120 \text{ mm}$ ).
  3. 10.2 cm is greater ( $102 \text{ mm} > 100 \text{ mm}$ ).
  4. 15.75 cm is greater ( $157.5 \text{ mm} > 157 \text{ mm}$ ).
  5. 5.50 cm is smaller ( $55 \text{ mm} < 550 \text{ mm}$ ).
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**4. Kilograms and Grams:**

1. 2.50 kg vs 2500 g

2. 1.75 kg vs 1750 g

3. 0.95 kg vs 950 g

4. 3.20 kg vs 3200 g

5. 4.05 kg vs 4050 g

**Answer:**

1. They are equal ( $2.50 \text{ kg} = 2500 \text{ g}$ ).

2. They are equal ( $1.75 \text{ kg} = 1750 \text{ g}$ ).

3. They are equal ( $0.95 \text{ kg} = 950 \text{ g}$ ).

4. They are equal ( $3.20 \text{ kg} = 3200 \text{ g}$ ).

5. They are equal ( $4.05 \text{ kg} = 4050 \text{ g}$ ).

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## Addition of decimal numbers

### Practice examples:

1. (  $0.007 + 8.5 + 30.08$  )

2. (  $15 + 0.632 + 13.8$  )

3. (  $27.076 + 0.55 + 0.004$  )

4. (  $25.65 + 9.005 + 3.7$  )

5. (  $0.75 + 10.425 + 2$  )

6. (  $280.69 + 25.2 + 38$  )

7. (  $12.34 + 8 + 3.21$  )

8. (  $100 + 0.75 + 4.567$  )

9. (  $9.009 + 0.001 + 15.5$  )

10. (  $20.2 + 13 + 0.45$  )

11. (  $5.006 + 0.94 + 8.05$  )

12. (  $0.003 + 11.11 + 0.7$  )

13. (  $50 + 0.55 + 1.004$  )

14. (  $33.4 + 0.6 + 20$  )

15. (  $0.005 + 0.09 + 25.5$  )

16. (  $14.7 + 10.3 + 5$  )

17. (  $0.002 + 29.87 + 0.13$  )

18. (  $7.007 + 0.77 + 15$  )

19. (  $9.01 + 21 + 0.009$  )

20. (  $100.1 + 0.45 + 23$  )

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**Answers:**

1. ( 38.587 )

2. ( 29.432 )

3. ( 27.63 )

4. ( 38.355 )

5. ( 13.175 )

6. ( 343.89 )

7. ( 23.55 )

8. ( 105.317 )

9. ( 24.51 )

10. ( 33.65 )

11. ( 14.996 )

12. ( 11.813 )

13. ( 51.554 )

14. ( 54.0 )

15. ( 25.595 )

16. ( 30.0 )

17. ( 30.002 )

18. ( 22.777 )

19. ( 30.019 )

20. ( 123.55 )

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**Reasoning Questions with Addition of Decimals**

1. Rashid spent ₹35.75 for a Maths book and ₹32.60 for a Science book. Find the total amount spent by Rashid.**Answer:** ₹68.35

2. Radhika's mother gave her ₹10.50, and her father gave her ₹15.80. Find the total amount given to Radhika by her parents.**Answer:** ₹26.30

3. A water bottle holds 1.25 liters, and a jug holds 2.5 liters. What is the total amount of water they can hold together?**Answer:** 3.75 liters

4. A cloth roll is 4.75 meters long. If 1.25 meters is cut off, how much cloth remains?  
**Answer:** 3.50 meters

5. A packet of sugar weighs 2.75 kg. Another packet weighs 1.5 kg. What is the total weight of both packets?**Answer:** 4.25 kg
  6. A car travels 12.6 km in the morning and 9.85 km in the evening. What is the total distance traveled in the day?**Answer:** 22.45 km
  7. A boy has ₹50. He buys a pen for ₹12.75 and a notebook for ₹25.50. How much money is left with him?**Answer:** ₹11.75
  8. A container has 7.5 liters of milk. If 2.25 liters are used, how much milk is left?  
**Answer:** 5.25 liters
  9. A rope is 15.8 meters long. If 7.65 meters are cut off, what is the remaining length of the rope?**Answer:** 8.15 meters
  10. A worker earns ₹350.25 on Monday and ₹400.50 on Tuesday. What is the total amount earned in these two days?**Answer:** ₹750.75
  11. A tin contains 5.5 kg of flour. If 2.25 kg is used, how much flour remains?**Answer:** 3.25 kg
  12. A jug holds 2.5 liters of water. Another jug holds 1.75 liters. How much water is there in total?**Answer:** 4.25 liters
  13. A piece of cloth is 9.85 meters long. If 3.5 meters is sold, what is the length of cloth remaining?**Answer:** 6.35 meters
  14. A person pays ₹125.50 for groceries and ₹245.75 for household items. What is the total amount spent?**Answer:** ₹371.25
  15. A train covers 37.5 km in the first hour and 42.75 km in the second hour. What is the total distance covered by the train in two hours?**Answer:** 80.25 km
  16. A liquid container holds 15.75 liters. If 7.25 liters are removed, how much liquid is left?**Answer:** 8.50 liters
  17. Rani saved ₹75.60 in January and ₹82.25 in February. How much money did she save in total?**Answer:** ₹157.85
  18. A road is 18.5 km long. If 12.75 km is already built, how much of the road is left to build?**Answer:** 5.75 km
  19. A student scores 42.75 marks in Maths and 38.25 marks in Science. What are the total marks scored by the student?**Answer:** 81.00 marks
  20. A shopkeeper has 10.5 kg of rice. He sells 6.75 kg. How much rice is left in the shop? **Answer:** 3.75 kg
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## Subtraction of decimals:

### Practice Examples:

1. ( 8.5 - 0.007 )
  2. ( 15.632 - 13.8 )
  3. ( 27.076 - 0.55 )
  4. ( 25.65 - 9.005 )
  5. ( 10.425 - 2.75 )
  6. ( 280.69 - 25.2 )
  7. ( 12.34 - 3.21 )
  8. ( 100.75 - 4.567 )
  9. ( 9.009 - 0.001 )
  10. ( 20.2 - 13.45 )
  11. ( 8.05 - 5.006 )
  12. ( 11.11 - 0.7 )
  13. ( 50.55 - 1.004 )
  14. ( 33.4 - 20.6 )
  15. ( 25.5 - 0.09 )
  16. ( 14.7 - 10.3 )
  17. ( 29.87 - 0.13 )
  18. ( 15.007 - 7.77 )
  19. ( 21.01 - 9.009 )
  20. ( 100.1 - 23.45 )
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**Answers:**

1. ( 8.493 )
2. ( 1.832 )
3. ( 26.526 )
4. ( 16.645 )
5. ( 7.675 )
6. ( 255.49 )
7. ( 9.13 )
8. ( 96.183 )
9. ( 9.008 )
10. ( 6.75 )
11. ( 3.044 )
12. ( 10.41 )
13. ( 49.546 )
14. ( 12.8 )

15. ( 25.41 )
  16. ( 4.4 )
  17. ( 29.74 )
  18. ( 7.237 )
  19. ( 12.001 )
  20. ( 76.65 )
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### Reasoning Questions with subtractions:

1. Tina had ( 18 , \text{kg} , 750 , \text{g} ) of wheat. She used ( 7 , \text{kg} , 250 , \text{g} ) of wheat to make flour. How much wheat is left with her?
2. A rope is ( 15 , \text{m} , 30 , \text{cm} ) long. A piece of ( 7 , \text{m} , 85 , \text{cm} ) is cut from it. How much rope is left?
3. A bucket can hold ( 25.5 , \text{liters} ) of water. If ( 13.75 , \text{liters} ) of water is used, how much water remains?
4. Rahul had ( 35 , \text{cm} , ) of ribbon. He used ( 12.8 , \text{cm} ) for a project. How much ribbon does he have now?
5. A car traveled ( 255.6 , \text{km} ) on the first day and ( 180.35 , \text{km} ) on the second day. How much farther did it travel on the first day?
6. A piece of wire was ( 42 , \text{m} , 8 , \text{cm} ) long. If ( 20 , \text{m} , 95 , \text{cm} ) was cut off, what length of wire is left?
7. Riya had ( 80 , \text{liters} ) of milk. She sold ( 27.5 , \text{liters} ). How much milk does she still have?
8. A bag of rice weighed ( 15.8 , \text{kg} ). After using ( 6.2 , \text{kg} ), what is the remaining weight of rice?
9. A tree was ( 12.75 , \text{m} ) tall. A branch measuring ( 4.85 , \text{m} ) was cut off. What is the remaining height of the tree?
10. Anil had ( 67.2 , \text{liters} ) of petrol. After using ( 45.5 , \text{liters} ), how much petrol is left?
11. A water tank had ( 350.5 , \text{liters} ) of water. ( 125.25 , \text{liters} ) was drained. How much water remains in the tank?
12. A plank is ( 9.6 , \text{m} ) long. A ( 3.45 , \text{m} ) piece is cut from it. How much plank is left?
13. Arjun bought ( 18.75 , \text{kg} ) of fruits. After giving ( 8.6 , \text{kg} ) to his neighbor, how much is left?
14. A field was ( 120.5 , \text{acres} ). If ( 85.75 , \text{acres} ) is sold, how much field remains?

15. A train traveled (  $210.5$  ,  $\text{km}$  ) in the morning and (  $150.25$  ,  $\text{km}$  ) in the afternoon. How much more distance was covered in the morning?
  16. The total length of a road is (  $5.8$  ,  $\text{km}$  ). If (  $3.5$  ,  $\text{km}$  ) is repaired, how much is still unrepaired?
  17. Sita had (  $450$  ,  $\text{g}$  ) of sugar. She used (  $285$  ,  $\text{g}$  ). How much sugar is left with her?
  18. A shopkeeper had (  $1.2$  ,  $\text{kg}$  ) of candies. After selling (  $0.85$  ,  $\text{kg}$  ), how much is left?
  19. A man deposited (  $1200.75$  ,  $\text{rupees}$  ) in the bank. He later withdrew (  $485.5$  ,  $\text{rupees}$  ). How much money is left in his account?
  20. A bucket initially contained (  $20.5$  ,  $\text{liters}$  ) of water. After spilling (  $3.75$  ,  $\text{liters}$  ), how much water is left?
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**Answers:**

1. (  $11$  ,  $\text{kg}$  ,  $500$  ,  $\text{g}$  )
  2. (  $7$  ,  $\text{m}$  ,  $45$  ,  $\text{cm}$  )
  3. (  $11.75$  ,  $\text{liters}$  )
  4. (  $22.2$  ,  $\text{cm}$  )
  5. (  $75.25$  ,  $\text{km}$  )
  6. (  $21$  ,  $\text{m}$  ,  $13$  ,  $\text{cm}$  )
  7. (  $52.5$  ,  $\text{liters}$  )
  8. (  $9.6$  ,  $\text{kg}$  )
  9. (  $7.9$  ,  $\text{m}$  )
  10. (  $21.7$  ,  $\text{liters}$  )
  11. (  $225.25$  ,  $\text{liters}$  )
  12. (  $6.15$  ,  $\text{m}$  )
  13. (  $10.15$  ,  $\text{kg}$  )
  14. (  $34.75$  ,  $\text{acres}$  )
  15. (  $60.25$  ,  $\text{km}$  )
  16. (  $2.3$  ,  $\text{km}$  )
  17. (  $165$  ,  $\text{g}$  )
  18. (  $0.35$  ,  $\text{kg}$  )
  19. (  $715.25$  ,  $\text{rupees}$  )
  20. (  $16.75$  ,  $\text{liters}$  )
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