

Educational Worksheet

Grade 7 Mathematics Worksheet

Add and Subtract Decimals

Name: _____ Date: _____ Class: _____

Learning Objectives

By the end of this worksheet, you will be able to: - Add and subtract decimals with different numbers of decimal places - Solve word problems involving decimal operations - Check answers using estimation

Instructions

- Show all your working
 - Line up decimal points when adding or subtracting
 - Check your answers make sense
 - Use a calculator only when instructed
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Section A: Basic Addition and Subtraction (10 marks)

Add or subtract the following decimals:

1. $23.4 + 15.7 =$ _____
 2. $67.89 + 23.4 =$ _____
 3. $156.7 - 89.3 =$ _____
 4. $45.67 - 28.9 =$ _____
 5. $123.456 + 67.89 =$ _____
 6. $234.5 - 167.89 =$ _____
 7. $89.7 + 123.45 + 67.8 =$ _____
 8. $456.78 - 289.456 =$ _____
 9. $12.345 + 67.8 + 123.45 =$ _____
 10. $789.4 - 456.789 =$ _____
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Section B: Mixed Operations (8 marks)

Calculate the following, showing all working:

11. $45.6 + 23.78 - 12.9 =$ _____

12. $123.4 - 67.89 + 45.6 =$ _____

13. $234.56 + 78.9 - 156.78 =$ _____

14. $67.8 - 23.456 + 89.7 =$ _____

15. $345.67 + 123.4 - 234.56 + 67.8 =$ _____

16. $456.7 - 234.89 + 123.45 - 67.8 =$ _____

17. $789.45 + 123.6 - 456.78 + 234.5 =$ _____

18. $234.5 - 123.67 + 456.8 - 234.56 =$ _____

Section C: Word Problems (12 marks)

Solve these real-world problems:

19. **Shopping Trip:** Sarah bought a book for £12.45, a pen for £3.67, and a notebook for £5.89. How much did she spend in total?

Answer: £_____

20. **Savings Account:** Tom had £145.67 in his savings account. He deposited £23.45 and then withdrew £67.89. How much money does he have now?

Answer: £_____

21. **Recipe Measurements:** A recipe calls for 2.5 kg of flour, 1.75 kg of sugar, and 0.85 kg of butter. What is the total weight of these ingredients?

Answer: _____ kg

22. **Distance Tracking:** Maria ran 3.7 km on Monday, 4.85 km on Tuesday, and 2.95 km on Wednesday. How far did she run in total over the three days?

Answer: _____ km

23. **Budget Planning:** A family has a monthly budget of £1,250.50. They spent £345.67 on groceries, £234.89 on utilities, and £156.75 on entertainment. How much money do they have left?

Answer: £_____

24. **Science Experiment:** In a chemistry experiment, 45.67 mL of solution A was mixed with 23.8 mL of solution B. Then 12.45 mL of the mixture evaporated. How much solution was left?

Answer: _____ mL

Section D: Problem Solving Challenges (10 marks)

