

Grade 4 Math Worksheet: Addition and subtraction of like fractions: Difficulty Level - Advance

Name: _____

Date: _____

Instructions: Solve the following problems. Simplify your answers if needed and show your work.

Part A: Addition of Like Fractions

1. $17/24 + 5/24 =$ _____
2. $23/32 + 7/32 =$ _____
3. $29/36 + 4/36 =$ _____
4. $15/21 + 3/21 =$ _____
5. $18/25 + 6/25 =$ _____

Part B: Subtraction of Like Fractions

6. $27/40 - 9/40 =$ _____
7. $35/48 - 15/48 =$ _____
8. $31/50 - 11/50 =$ _____
9. $22/30 - 13/30 =$ _____
10. $39/56 - 17/56 =$ _____

Part C: Mixed Addition and Subtraction

11. $34/45 + 8/45 - 15/45 =$ _____
12. $21/32 - 7/32 + 4/32 =$ _____
13. $45/60 + 3/60 - 18/60 =$ _____
14. $27/42 - 9/42 + 5/42 =$ _____
15. $50/72 + 12/72 - 22/72 =$ _____

Part D: Word Problems

16. **Problem:** A pitcher contains $\frac{39}{50}$ liters of juice. If $\frac{14}{50}$ liters are poured out into glasses, how much juice remains in the pitcher?

Answer: _____

17. **Problem:** A baker made a loaf of bread that was cut into 24 slices. If $\frac{10}{24}$ of the loaf was eaten at breakfast and another $\frac{4}{24}$ at lunch, how much of the loaf is left?

Answer: _____

18. **Problem:** A gardener filled $\frac{31}{40}$ of a flower pot with soil. After removing $\frac{12}{40}$ for planting seeds, how much soil is left in the pot?

Answer: _____

Challenge Question:

19. $\frac{53}{70} - \frac{21}{70} + \frac{14}{70} =$ _____

—BE CHAMPION—