

Adding & Subtracting Fractions

Score _____ Per _____

1. Diego does not know why you need to find a common denominator when adding fractions. Explain to Diego **why** you need to find a common denominator when adding fractions: _____
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2. Millie planted a garden. *Half* of the garden was tomatoes, *one third* was beans, and *the rest* was lettuce. What fraction of the garden was tomatoes *and* beans?

What fraction was lettuce?



Change the mixed numbers into top-heavy (improper) fractions:

3. $11\frac{3}{8}$

4. $-3\frac{4}{9}$

Simplify the fractions.

5. $\frac{35}{40}$

6. $\frac{105}{27}$

Compute the following *without using a calculator*. **Show your work.**

7. $\frac{7}{8} - \frac{3}{2}$

8. $-\frac{5}{9} - \frac{1}{9}$

9. $\frac{1}{3} + \frac{3}{8}$

10. $\frac{9}{5} + \left(-\frac{4}{3}\right)$

11. $1\frac{2}{7} + 3\frac{4}{7}$

12. $2\frac{1}{6} + 6\frac{1}{2}$

13. $-1 + \frac{4}{5}$

14. $4 - \frac{7}{8}$