ALBERT

Name _____ Date _____

Adding and Subtracting Mixed Numbers Worksheet

Grade 4 · Common Core 4.NF.B.3c

> Add and subtract mixed numbers with like denominators, e.g., by replacing each mixed number with an equivalent fraction, and/or by using properties of operations and the relationship between addition and subtraction.

Practice

Builds the skill step by step.

1. $1\frac{1}{4} + 2\frac{2}{4} =$ ___

2. $3\frac{5}{6} - 1\frac{2}{6} =$ ___

3. Write $2\frac{1}{3}$ as a fraction.

4. Write $\frac{9}{4}$ as a mixed number.

5. $2\frac{3}{8} + 1\frac{4}{8} = ?$

   A. $3\frac{7}{8}$

   B. $3\frac{7}{16}$

   C. $4\frac{7}{8}$

   D. $3\frac{1}{8}$

6. $4\frac{2}{5} - 2\frac{1}{5} =$ ___

7. $1\frac{1}{2} + 1\frac{1}{2} =$ ___

8. $5\frac{7}{10} - 3 =$ ___

9. $2\frac{1}{6} + \frac{3}{6} =$ ___

10. $3\frac{4}{12} - 1\frac{1}{12} =$ ___

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On Level

Grade-level practice.

1. $2\frac{3}{4} + 1\frac{3}{4} =$ ___

2. $4\frac{1}{5} - 1\frac{3}{5} =$ ___

3. $3\frac{5}{8} + 2\frac{6}{8} =$ ___

4. $5 - 2\frac{1}{3} =$ ___

5. To find $3\frac{1}{4} - 1\frac{3}{4}$, Ana first renames $3\frac{1}{4}$. Which is a correct way to rename it?

   A. $3\frac{5}{4}$

   B. $2\frac{5}{4}$

   C. $3\frac{3}{4}$

   D. $2\frac{1}{4}$

6. $1\frac{7}{10} + 2\frac{5}{10} =$ ___

7. $6\frac{2}{6} - 3\frac{5}{6} =$ ___

8. Write $3\frac{2}{5}$ as a fraction.

9. $2\frac{2}{3} + 1\frac{2}{3} + \frac{1}{3} =$ ___

10. $4\frac{3}{12} - 2\frac{8}{12} =$ ___

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Challenge

Multi-step and word problems that stretch it.

1. A board is $6\frac{1}{4}$ feet long. Lu cuts off $2\frac{3}{4}$ feet. How long is the board now?

2. Mia walked $1\frac{3}{8}$ miles on Monday and $2\frac{7}{8}$ miles on Tuesday. How far did she walk in all?

3. Fill in the box: $\square + 1\frac{2}{5} = 4$

4. Leo says $5\frac{1}{6} - 2\frac{5}{6} = 3\frac{4}{6}$. Which explains his mistake and the correct answer?

   A. He should subtract the bottom numbers. The answer is $3\frac{4}{12}$.

   B. He is correct.

   C. He took 1 from 5 sixths instead of renaming a whole. The answer is $2\frac{2}{6}$.

   D. He added instead. The answer is $\frac{8}{6}$.

5. $3\frac{1}{10} + 2\frac{9}{10} =$ ___

6. Fill in the box: $7\frac{2}{8} - \square = 4\frac{6}{8}$

7. $1\frac{2}{3} + 1\frac{2}{3} + 1\frac{2}{3} =$ ___

8. How much greater is $4\frac{3}{6} - \frac{1}{6}$ than $2\frac{5}{6} + 1\frac{2}{6}$?

9. $\frac{10}{3} - 1\frac{1}{3} =$ ___

10. A pitcher holds $4\frac{1}{4}$ cups of juice. Kim pours $1\frac{3}{4}$ cups into one glass and $1\frac{3}{4}$ cups into another. How much juice is left in the pitcher?