

Name \_\_\_\_\_

Add and Subtract Fractions



**COMMON CORE STANDARD—5.NF.A.1**  
Use equivalent fractions as a strategy to add and subtract fractions.

Find the sum or difference. Write your answer in simplest form.

1.  $\frac{1}{2} - \frac{1}{7}$

$$\begin{array}{r} \frac{1}{2} \rightarrow \frac{7}{14} \\ -\frac{1}{7} \rightarrow -\frac{2}{14} \\ \hline \frac{5}{14} \end{array}$$

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2.  $\frac{7}{10} - \frac{1}{2}$

\_\_\_\_\_

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

\_\_\_\_\_

4.  $\frac{5}{8} + \frac{2}{5}$

\_\_\_\_\_

5.  $\frac{9}{10} - \frac{1}{3}$

\_\_\_\_\_

6.  $\frac{3}{4} - \frac{2}{5}$

\_\_\_\_\_

7.  $\frac{5}{7} - \frac{1}{4}$

\_\_\_\_\_

8.  $\frac{7}{8} + \frac{1}{3}$

\_\_\_\_\_

9.  $\frac{5}{6} + \frac{2}{5}$

\_\_\_\_\_

Problem Solving



10. Kaylin mixed two liquids for a science experiment. One container held  $\frac{7}{8}$  cup and the other held  $\frac{9}{10}$  cup. What is the total amount of the mixture?

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11. Henry bought  $\frac{1}{4}$  pound of screws and  $\frac{2}{5}$  pound of nails to build a skateboard ramp. What is the total weight of the screws and nails?

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12. **WRITE** *Math* How is  $\frac{1}{2} + \frac{1}{4}$  solved differently than  $\frac{1}{2} + \frac{1}{3}$ ?

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## Lesson Check (5.NF.A.1)

1. Lyle bought  $\frac{3}{8}$  pound of red grapes and  $\frac{5}{12}$  pound of green grapes. How many pounds of grapes did he buy?
2. Jennifer had a  $\frac{7}{8}$ -foot board. She cut off a  $\frac{1}{4}$ -foot piece that was for a project. In feet, how much of the board was left?

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## Spiral Review (5.NBT.B.6, 5.NBT.B.7, 5.NF.B.3)

3. Ivan has 15 yards of green felt and 12 yards of blue felt to make 3 quilts. If Ivan uses the same total number of yards for each quilt, how many yards does he use for each quilt?
4. Eight identical shirts cost a total of \$152. How much does one shirt cost?

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5. Melissa bought a pencil for \$0.34, an eraser for \$0.22, and a notebook for \$0.98. What is a reasonable estimate for the amount Melissa spent?
6. The 12 members in Dante's hiking club shared 176 ounces of trail mix equally. How many ounces of trail mix did each member receive?

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