

Name _____

Add and Subtract Fractions

COMMON CORE STANDARD CC.5.NF.1

Use equivalent fractions as a strategy to add and subtract fractions.

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

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

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

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

10. $\frac{1}{6} - \frac{1}{10}$

11. $\frac{6}{11} - \frac{1}{2}$

12. $\frac{5}{6} + \frac{3}{7}$

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Problem Solving



13. 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?

14. 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?

Lesson Check (CC.5.NF.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?
 - $\frac{19}{24}$ pound
 - $\frac{2}{5}$ pound
 - $\frac{1}{3}$ pound
 - $\frac{1}{24}$ pound
- 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?
 - $\frac{12}{8}$ feet
 - $\frac{9}{8}$ feet
 - $\frac{6}{8}$ foot
 - $\frac{5}{8}$ foot

Spiral Review (CC.5.NBT.6, CC.5.NBT.7, CC.5.NF.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? (Lesson 1.9)
 - 4 yards
 - 5 yards
 - 9 yards
 - 27 yards
- Melissa bought a pencil for \$0.34, an eraser for \$0.22, and a notebook for \$0.98. Which is the most reasonable estimate for the amount Melissa spent? (Lesson 3.7)
 - \$1.60
 - \$1.50
 - \$1.40
 - \$1.30
- Eight identical shirts cost a total of \$152. How much does one shirt cost? (Lesson 2.2)
 - \$2
 - \$8
 - \$19
 - \$24
- 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? (Lesson 2.7)
 - 15 ounces
 - $14\frac{2}{3}$ ounces
 - 14 ounces
 - 12 ounces