

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Adding and Subtracting Fractions Bell Work

Find each sum or difference. If required, use mental math.

1.  $\frac{3}{4} + \frac{7}{8}$

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

3.  $\frac{9}{12} - \frac{1}{11}$

4.  $\frac{x}{3} + \frac{x}{5}$

5.  $\frac{3}{14} + \frac{9}{14} + \frac{11}{14} + \frac{7}{14}$

6.  $\frac{11}{25} - \frac{1}{25} - \frac{2}{25} - \frac{3}{25}$

**Adding and Subtracting Fractions** Bell Work**Answers**

Find each sum or difference. If required, use mental math.

1.  $\frac{3}{4} + \frac{7}{8}$

LCM of 4 and 8 is **8**.

$$\frac{3}{4} + \frac{7}{8} = \frac{3(2)+7(1)}{8}$$

$$\frac{6+7}{8} = \frac{13}{8}$$

$$\frac{3}{4} + \frac{7}{8} = \frac{13}{8}$$

3.  $\frac{9}{12} - \frac{1}{11}$

LCM of 12 and 11 is  **$12 \times 11 = 132$** .

$$\frac{9}{12} - \frac{1}{11} = \frac{9(11)-1(12)}{132}$$

$$\frac{99-12}{132} = \frac{87}{132} = \frac{29}{44}$$

$$\frac{9}{12} - \frac{1}{11} = \frac{29}{44}$$

5.  $\frac{3}{14} + \frac{9}{14} + \frac{11}{14} + \frac{7}{14}$

Add all the numerators.

$$3 + 9 + 11 + 7 = 30$$

$$\rightarrow \frac{30}{14} = \frac{15}{7}$$

$$\frac{3}{14} + \frac{9}{14} + \frac{11}{14} + \frac{7}{14} = \frac{15}{7}$$

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

LCM of 6 and 3 is **6**.

$$\frac{1}{6} - \frac{5}{3} = \frac{1(1)-5(2)}{6}$$

$$\frac{1-10}{6} = -\frac{9}{6} = -\frac{3}{2}$$

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

4.  $\frac{x}{3} + \frac{x}{5}$

LCM of 3 and 5 is  **$3 \times 5 = 15$** .

$$\frac{x}{3} + \frac{x}{5} = \frac{x(5)+x(3)}{15}$$

$$\frac{5x+3x}{15} = \frac{8x}{15}$$

$$\frac{x}{3} + \frac{x}{5} = \frac{8x}{15}$$

6.  $\frac{11}{25} - \frac{1}{25} - \frac{2}{25} - \frac{3}{25}$

Subtract all the numerators.

$$11 - 1 - 2 - 3 = 11 - 6 = 5$$

$$\rightarrow \frac{5}{25} = \frac{1}{5}$$

$$\frac{11}{25} - \frac{1}{25} - \frac{2}{25} - \frac{3}{25} = \frac{1}{5}$$