

Name: ..... Class: .....

## Add and subtract rational numbers

**1.** Add.  $1 \frac{3}{4} + \frac{2}{3}$

**2.** Subtract.  $2 \frac{3}{4} - \frac{2}{3}$

**3.** Add.  $5278.10 + (-4989.25)$

**4.** Subtract.  $482 \frac{32}{40} - (-526.78)$

**5.** Subtract.  $(-110 \frac{1}{2}) - (-78 \frac{1}{4})$

**6.** Subtract.  $-1,286,347 - (-987,340.99)$

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Add and subtract rational numbers

1. Add.  $1 \frac{3}{4} + \frac{2}{3}$

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

$$= \frac{7}{4} + \frac{2}{3}$$

LCM of 4 and 3 = 12

$$\frac{7 \times 3}{12} = \frac{21}{12} \quad \frac{2 \times 4}{12} = \frac{8}{12}$$

so,  $\frac{7}{4} + \frac{2}{3} = \frac{21}{12} + \frac{8}{12} = \frac{21 + 8}{12} = \frac{29}{12}$

$$= \frac{29}{12} = 12 \overline{) 29} = 2 \frac{5}{12}$$

So,  $1 \frac{3}{4} + \frac{2}{3} = 2 \frac{5}{12}$

2. So,  $2 \frac{3}{4} - \frac{2}{3} = 2 \frac{1}{12}$

3. 288.85

4. 1009.58

5. 32.25

6. - 299,006.01