

Subtracting Negative Mixed Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each difference.

1. $\left(-2\frac{7}{10}\right) - 2\frac{2}{3} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

2. $\left(-2\frac{11}{12}\right) - \left(-3\frac{4}{7}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad}$

3. $\left(-1\frac{7}{11}\right) - 5\frac{1}{10} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. $\left(-1\frac{1}{4}\right) - \left(-4\frac{6}{11}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

5. $\left(-1\frac{5}{6}\right) - \frac{1}{5} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

6. $\left(-2\frac{2}{7}\right) - \left(-2\frac{7}{8}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad}$

7. $\left(-5\frac{5}{6}\right) - \left(-4\frac{7}{11}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $\left(-1\frac{2}{11}\right) - 2\frac{1}{7} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

9. $\left(-3\frac{1}{2}\right) - 4\frac{2}{3} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

10. $\left(-2\frac{7}{8}\right) - 4\frac{1}{7} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

Subtracting Negative Mixed Fractions (E) Answers

Name: _____

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Calculate each difference.

$$1. \quad \left(-2\frac{7}{10}\right) - 2\frac{2}{3} = \left(-\frac{27}{10}\right) - \frac{8}{3} = \left(-\frac{81}{30}\right) - \frac{80}{30} = \left(-\frac{161}{30}\right) = \left(-5\frac{11}{30}\right)$$

$$2. \quad \left(-2\frac{11}{12}\right) - \left(-3\frac{4}{7}\right) = \left(-\frac{35}{12}\right) - \left(-\frac{25}{7}\right) = \left(-\frac{245}{84}\right) - \left(-\frac{300}{84}\right) = \frac{55}{84}$$

$$3. \quad \left(-1\frac{7}{11}\right) - 5\frac{1}{10} = \left(-\frac{18}{11}\right) - \frac{51}{10} = \left(-\frac{180}{110}\right) - \frac{561}{110} = \left(-\frac{741}{110}\right) = \left(-6\frac{81}{110}\right)$$

$$4. \quad \left(-1\frac{1}{4}\right) - \left(-4\frac{6}{11}\right) = \left(-\frac{5}{4}\right) - \left(-\frac{50}{11}\right) = \left(-\frac{55}{44}\right) - \left(-\frac{200}{44}\right) = \frac{145}{44} = 3\frac{13}{44}$$

$$5. \quad \left(-1\frac{5}{6}\right) - \frac{1}{5} = \left(-\frac{11}{6}\right) - \frac{1}{5} = \left(-\frac{55}{30}\right) - \frac{6}{30} = \left(-\frac{61}{30}\right) = \left(-2\frac{1}{30}\right)$$

$$6. \quad \left(-2\frac{2}{7}\right) - \left(-2\frac{7}{8}\right) = \left(-\frac{16}{7}\right) - \left(-\frac{23}{8}\right) = \left(-\frac{128}{56}\right) - \left(-\frac{161}{56}\right) = \frac{33}{56}$$

$$7. \quad \left(-5\frac{5}{6}\right) - \left(-4\frac{7}{11}\right) = \left(-\frac{35}{6}\right) - \left(-\frac{51}{11}\right) = \left(-\frac{385}{66}\right) - \left(-\frac{306}{66}\right) = \left(-\frac{79}{66}\right) = \left(-1\frac{13}{66}\right)$$

$$8. \quad \left(-1\frac{2}{11}\right) - 2\frac{1}{7} = \left(-\frac{13}{11}\right) - \frac{15}{7} = \left(-\frac{91}{77}\right) - \frac{165}{77} = \left(-\frac{256}{77}\right) = \left(-3\frac{25}{77}\right)$$

$$9. \quad \left(-3\frac{1}{2}\right) - 4\frac{2}{3} = \left(-\frac{7}{2}\right) - \frac{14}{3} = \left(-\frac{21}{6}\right) - \frac{28}{6} = \left(-\frac{49}{6}\right) = \left(-8\frac{1}{6}\right)$$

$$10. \quad \left(-2\frac{7}{8}\right) - 4\frac{1}{7} = \left(-\frac{23}{8}\right) - \frac{29}{7} = \left(-\frac{161}{56}\right) - \frac{232}{56} = \left(-\frac{393}{56}\right) = \left(-7\frac{1}{56}\right)$$