

Subtracting Negative Mixed Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each difference.

1. $\left(-3\frac{1}{3}\right) - \frac{8}{11} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

3. $\left(-5\frac{3}{4}\right) - \left(-1\frac{5}{9}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. $\left(-4\frac{1}{4}\right) - \left(-4\frac{3}{7}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad}$

5. $\left(-1\frac{3}{8}\right) - \frac{1}{11} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

6. $\left(-1\frac{1}{6}\right) - \left(-4\frac{1}{7}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $\left(-2\frac{5}{12}\right) - 5\frac{4}{7} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $\left(-2\frac{1}{2}\right) - \left(-3\frac{6}{11}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

9. $\left(-2\frac{1}{10}\right) - \left(-3\frac{4}{11}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

10. $\left(-5\frac{1}{3}\right) - \left(-4\frac{3}{8}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad}$

Subtracting Negative Mixed Fractions (B) Answers

Name: _____

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Score: _____

Calculate each difference.

$$1. \quad \left(-3\frac{1}{3}\right) - \frac{8}{11} = \left(-\frac{10}{3}\right) - \frac{8}{11} = \left(-\frac{110}{33}\right) - \frac{24}{33} = \left(-\frac{134}{33}\right) = \left(-4\frac{2}{33}\right)$$

$$2. \quad \left(-4\frac{1}{4}\right) - \left(-4\frac{1}{11}\right) = \left(-\frac{17}{4}\right) - \left(-\frac{45}{11}\right) = \left(-\frac{187}{44}\right) - \left(-\frac{180}{44}\right) = \left(-\frac{7}{44}\right)$$

$$3. \quad \left(-5\frac{3}{4}\right) - \left(-1\frac{5}{9}\right) = \left(-\frac{23}{4}\right) - \left(-\frac{14}{9}\right) = \left(-\frac{207}{36}\right) - \left(-\frac{56}{36}\right) = \left(-\frac{151}{36}\right) = \left(-4\frac{7}{36}\right)$$

$$4. \quad \left(-4\frac{1}{4}\right) - \left(-4\frac{3}{7}\right) = \left(-\frac{17}{4}\right) - \left(-\frac{31}{7}\right) = \left(-\frac{119}{28}\right) - \left(-\frac{124}{28}\right) = \frac{5}{28}$$

$$5. \quad \left(-1\frac{3}{8}\right) - \frac{1}{11} = \left(-\frac{11}{8}\right) - \frac{1}{11} = \left(-\frac{121}{88}\right) - \frac{8}{88} = \left(-\frac{129}{88}\right) = \left(-1\frac{41}{88}\right)$$

$$6. \quad \left(-1\frac{1}{6}\right) - \left(-4\frac{1}{7}\right) = \left(-\frac{7}{6}\right) - \left(-\frac{29}{7}\right) = \left(-\frac{49}{42}\right) - \left(-\frac{174}{42}\right) = \frac{125}{42} = 2\frac{41}{42}$$

$$7. \quad \left(-2\frac{5}{12}\right) - 5\frac{4}{7} = \left(-\frac{29}{12}\right) - \frac{39}{7} = \left(-\frac{203}{84}\right) - \frac{468}{84} = \left(-\frac{671}{84}\right) = \left(-7\frac{83}{84}\right)$$

$$8. \quad \left(-2\frac{1}{2}\right) - \left(-3\frac{6}{11}\right) = \left(-\frac{5}{2}\right) - \left(-\frac{39}{11}\right) = \left(-\frac{55}{22}\right) - \left(-\frac{78}{22}\right) = \frac{23}{22} = 1\frac{1}{22}$$

$$9. \quad \left(-2\frac{1}{10}\right) - \left(-3\frac{4}{11}\right) = \left(-\frac{21}{10}\right) - \left(-\frac{37}{11}\right) = \left(-\frac{231}{110}\right) - \left(-\frac{370}{110}\right) = \frac{139}{110} = 1\frac{29}{110}$$

$$10. \quad \left(-5\frac{1}{3}\right) - \left(-4\frac{3}{8}\right) = \left(-\frac{16}{3}\right) - \left(-\frac{35}{8}\right) = \left(-\frac{128}{24}\right) - \left(-\frac{105}{24}\right) = \left(-\frac{23}{24}\right)$$