

Subtracting Negative Mixed Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each difference.

1. $\left(-1\frac{1}{11}\right) - \left(-2\frac{3}{5}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

3. $\left(-2\frac{5}{7}\right) - \left(-4\frac{9}{11}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. $\left(-5\frac{1}{2}\right) - 3\frac{2}{7} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

5. $\left(-1\frac{2}{5}\right) - 2\frac{1}{6} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

6. $\left(-3\frac{1}{4}\right) - 2\frac{8}{9} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $\left(-5\frac{7}{9}\right) - \left(-4\frac{5}{7}\right) = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $\left(-1\frac{1}{2}\right) - 5\frac{2}{9} = \underline{\quad} - \underline{\quad} = \underline{\quad} - \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

Subtracting Negative Mixed Fractions (I) Answers

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Calculate each difference.

$$1. \left(-1\frac{1}{11}\right) - \left(-2\frac{3}{5}\right) = \left(-\frac{12}{11}\right) - \left(-\frac{13}{5}\right) = \left(-\frac{60}{55}\right) - \left(-\frac{143}{55}\right) = \frac{83}{55} = 1\frac{28}{55}$$

$$2. \left(-1\frac{1}{4}\right) - \frac{1}{5} = \left(-\frac{5}{4}\right) - \frac{1}{5} = \left(-\frac{25}{20}\right) - \frac{4}{20} = \left(-\frac{29}{20}\right) = \left(-1\frac{9}{20}\right)$$

$$3. \left(-2\frac{5}{7}\right) - \left(-4\frac{9}{11}\right) = \left(-\frac{19}{7}\right) - \left(-\frac{53}{11}\right) = \left(-\frac{209}{77}\right) - \left(-\frac{371}{77}\right) = \frac{162}{77} = 2\frac{8}{77}$$

$$4. \left(-5\frac{1}{2}\right) - 3\frac{2}{7} = \left(-\frac{11}{2}\right) - \frac{23}{7} = \left(-\frac{77}{14}\right) - \frac{46}{14} = \left(-\frac{123}{14}\right) = \left(-8\frac{11}{14}\right)$$

$$5. \left(-1\frac{2}{5}\right) - 2\frac{1}{6} = \left(-\frac{7}{5}\right) - \frac{13}{6} = \left(-\frac{42}{30}\right) - \frac{65}{30} = \left(-\frac{107}{30}\right) = \left(-3\frac{17}{30}\right)$$

$$6. \left(-3\frac{1}{4}\right) - 2\frac{8}{9} = \left(-\frac{13}{4}\right) - \frac{26}{9} = \left(-\frac{117}{36}\right) - \frac{104}{36} = \left(-\frac{221}{36}\right) = \left(-6\frac{5}{36}\right)$$

$$7. \left(-5\frac{7}{9}\right) - \left(-4\frac{5}{7}\right) = \left(-\frac{52}{9}\right) - \left(-\frac{33}{7}\right) = \left(-\frac{364}{63}\right) - \left(-\frac{297}{63}\right) = \left(-\frac{67}{63}\right) = \left(-1\frac{4}{63}\right)$$

$$8. \left(-1\frac{1}{2}\right) - 5\frac{2}{9} = \left(-\frac{3}{2}\right) - \frac{47}{9} = \left(-\frac{27}{18}\right) - \frac{94}{18} = \left(-\frac{121}{18}\right) = \left(-6\frac{13}{18}\right)$$

$$9. \left(-4\frac{1}{2}\right) - 1\frac{2}{3} = \left(-\frac{9}{2}\right) - \frac{5}{3} = \left(-\frac{27}{6}\right) - \frac{10}{6} = \left(-\frac{37}{6}\right) = \left(-6\frac{1}{6}\right)$$

$$10. \left(-1\frac{1}{6}\right) - \frac{1}{7} = \left(-\frac{7}{6}\right) - \frac{1}{7} = \left(-\frac{49}{42}\right) - \frac{6}{42} = \left(-\frac{55}{42}\right) = \left(-1\frac{13}{42}\right)$$