

Soustraire des fractions mixtes négatives (B)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

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

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

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

4. $\left(-3\frac{6}{7}\right) - 4\frac{2}{5} =$

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

6. $\left(-2\frac{2}{5}\right) - 3\frac{3}{4} =$

7. $\left(-4\frac{3}{8}\right) - 2\frac{9}{11} =$

8. $\left(-4\frac{3}{4}\right) - \left(-1\frac{1}{11}\right) =$

9. $\left(-1\frac{1}{9}\right) - 1\frac{1}{2} =$

10. $\left(-4\frac{1}{5}\right) - \frac{6}{7} =$

Soustraire des fractions mixtes négatives (B) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-3\frac{3}{10}\right) - 3\frac{2}{9} = \left(-\frac{33}{10}\right) - \frac{29}{9} = \left(-\frac{297}{90}\right) - \frac{290}{90} = \left(-\frac{587}{90}\right) = \left(-6\frac{47}{90}\right)$$

$$2. \quad \left(-2\frac{1}{4}\right) - \frac{1}{9} = \left(-\frac{9}{4}\right) - \frac{1}{9} = \left(-\frac{81}{36}\right) - \frac{4}{36} = \left(-\frac{85}{36}\right) = \left(-2\frac{13}{36}\right)$$

$$3. \quad \left(-2\frac{3}{11}\right) - \left(-4\frac{1}{4}\right) = \left(-\frac{25}{11}\right) - \left(-\frac{17}{4}\right) = \left(-\frac{100}{44}\right) - \left(-\frac{187}{44}\right) = \frac{87}{44} = 1\frac{43}{44}$$

$$4. \quad \left(-3\frac{6}{7}\right) - 4\frac{2}{5} = \left(-\frac{27}{7}\right) - \frac{22}{5} = \left(-\frac{135}{35}\right) - \frac{154}{35} = \left(-\frac{289}{35}\right) = \left(-8\frac{9}{35}\right)$$

$$5. \quad \left(-1\frac{1}{11}\right) - \left(-2\frac{1}{2}\right) = \left(-\frac{12}{11}\right) - \left(-\frac{5}{2}\right) = \left(-\frac{24}{22}\right) - \left(-\frac{55}{22}\right) = \frac{31}{22} = 1\frac{9}{22}$$

$$6. \quad \left(-2\frac{2}{5}\right) - 3\frac{3}{4} = \left(-\frac{12}{5}\right) - \frac{15}{4} = \left(-\frac{48}{20}\right) - \frac{75}{20} = \left(-\frac{123}{20}\right) = \left(-6\frac{3}{20}\right)$$

$$7. \quad \left(-4\frac{3}{8}\right) - 2\frac{9}{11} = \left(-\frac{35}{8}\right) - \frac{31}{11} = \left(-\frac{385}{88}\right) - \frac{248}{88} = \left(-\frac{633}{88}\right) = \left(-7\frac{17}{88}\right)$$

$$8. \quad \left(-4\frac{3}{4}\right) - \left(-1\frac{1}{11}\right) = \left(-\frac{19}{4}\right) - \left(-\frac{12}{11}\right) = \left(-\frac{209}{44}\right) - \left(-\frac{48}{44}\right) = \left(-\frac{161}{44}\right) = \left(-3\frac{29}{44}\right)$$

$$9. \quad \left(-1\frac{1}{9}\right) - 1\frac{1}{2} = \left(-\frac{10}{9}\right) - \frac{3}{2} = \left(-\frac{20}{18}\right) - \frac{27}{18} = \left(-\frac{47}{18}\right) = \left(-2\frac{11}{18}\right)$$

$$10. \quad \left(-4\frac{1}{5}\right) - \frac{6}{7} = \left(-\frac{21}{5}\right) - \frac{6}{7} = \left(-\frac{147}{35}\right) - \frac{30}{35} = \left(-\frac{177}{35}\right) = \left(-5\frac{2}{35}\right)$$