

Soustraire des fractions mixtes négatives (H)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

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

2. $\left(-2\frac{8}{11}\right) - 1\frac{3}{5} =$

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

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

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

6. $\left(-5\frac{9}{11}\right) - \frac{1}{6} =$

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

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

9. $\left(-3\frac{1}{11}\right) - \left(-4\frac{1}{5}\right) =$

10. $\left(-2\frac{8}{11}\right) - 1\frac{3}{7} =$

Soustraire des fractions mixtes négatives (H) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-4\frac{4}{7}\right) - \frac{3}{8} = \left(-\frac{32}{7}\right) - \frac{3}{8} = \left(-\frac{256}{56}\right) - \frac{21}{56} = \left(-\frac{277}{56}\right) = \left(-4\frac{53}{56}\right)$$

$$2. \quad \left(-2\frac{8}{11}\right) - 1\frac{3}{5} = \left(-\frac{30}{11}\right) - \frac{8}{5} = \left(-\frac{150}{55}\right) - \frac{88}{55} = \left(-\frac{238}{55}\right) = \left(-4\frac{18}{55}\right)$$

$$3. \quad \left(-3\frac{1}{4}\right) - 5\frac{1}{3} = \left(-\frac{13}{4}\right) - \frac{16}{3} = \left(-\frac{39}{12}\right) - \frac{64}{12} = \left(-\frac{103}{12}\right) = \left(-8\frac{7}{12}\right)$$

$$4. \quad \left(-1\frac{3}{4}\right) - 5\frac{2}{3} = \left(-\frac{7}{4}\right) - \frac{17}{3} = \left(-\frac{21}{12}\right) - \frac{68}{12} = \left(-\frac{89}{12}\right) = \left(-7\frac{5}{12}\right)$$

$$5. \quad \left(-4\frac{3}{7}\right) - \left(-2\frac{1}{2}\right) = \left(-\frac{31}{7}\right) - \left(-\frac{5}{2}\right) = \left(-\frac{62}{14}\right) - \left(-\frac{35}{14}\right) = \left(-\frac{27}{14}\right) = \left(-1\frac{13}{14}\right)$$

$$6. \quad \left(-5\frac{9}{11}\right) - \frac{1}{6} = \left(-\frac{64}{11}\right) - \frac{1}{6} = \left(-\frac{384}{66}\right) - \frac{11}{66} = \left(-\frac{395}{66}\right) = \left(-5\frac{65}{66}\right)$$

$$7. \quad \left(-1\frac{3}{8}\right) - \left(-5\frac{4}{5}\right) = \left(-\frac{11}{8}\right) - \left(-\frac{29}{5}\right) = \left(-\frac{55}{40}\right) - \left(-\frac{232}{40}\right) = \frac{177}{40} = 4\frac{17}{40}$$

$$8. \quad \left(-1\frac{2}{3}\right) - \frac{5}{7} = \left(-\frac{5}{3}\right) - \frac{5}{7} = \left(-\frac{35}{21}\right) - \frac{15}{21} = \left(-\frac{50}{21}\right) = \left(-2\frac{8}{21}\right)$$

$$9. \quad \left(-3\frac{1}{11}\right) - \left(-4\frac{1}{5}\right) = \left(-\frac{34}{11}\right) - \left(-\frac{21}{5}\right) = \left(-\frac{170}{55}\right) - \left(-\frac{231}{55}\right) = \frac{61}{55} = 1\frac{6}{55}$$

$$10. \quad \left(-2\frac{8}{11}\right) - 1\frac{3}{7} = \left(-\frac{30}{11}\right) - \frac{10}{7} = \left(-\frac{210}{77}\right) - \frac{110}{77} = \left(-\frac{320}{77}\right) = \left(-4\frac{12}{77}\right)$$