

Soustraire des fractions mixtes négatives (E)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

1. $\left(-1\frac{6}{7}\right) - 1\frac{5}{8} =$

2. $\left(-1\frac{1}{12}\right) - \left(-1\frac{2}{5}\right) =$

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

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

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

6. $\left(-3\frac{5}{6}\right) - 2\frac{1}{5} =$

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

8. $\left(-5\frac{5}{8}\right) - \left(-2\frac{4}{7}\right) =$

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

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

Soustraire des fractions mixtes négatives (E) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-1\frac{6}{7}\right) - 1\frac{5}{8} = \left(-\frac{13}{7}\right) - \frac{13}{8} = \left(-\frac{104}{56}\right) - \frac{91}{56} = \left(-\frac{195}{56}\right) = \left(-3\frac{27}{56}\right)$$

$$2. \quad \left(-1\frac{1}{12}\right) - \left(-1\frac{2}{5}\right) = \left(-\frac{13}{12}\right) - \left(-\frac{7}{5}\right) = \left(-\frac{65}{60}\right) - \left(-\frac{84}{60}\right) = \frac{19}{60}$$

$$3. \quad \left(-2\frac{1}{5}\right) - 2\frac{2}{3} = \left(-\frac{11}{5}\right) - \frac{8}{3} = \left(-\frac{33}{15}\right) - \frac{40}{15} = \left(-\frac{73}{15}\right) = \left(-4\frac{13}{15}\right)$$

$$4. \quad \left(-5\frac{2}{5}\right) - \left(-2\frac{1}{6}\right) = \left(-\frac{27}{5}\right) - \left(-\frac{13}{6}\right) = \left(-\frac{162}{30}\right) - \left(-\frac{65}{30}\right) = \left(-\frac{97}{30}\right) = \left(-3\frac{7}{30}\right)$$

$$5. \quad \left(-3\frac{1}{4}\right) - \left(-2\frac{2}{7}\right) = \left(-\frac{13}{4}\right) - \left(-\frac{16}{7}\right) = \left(-\frac{91}{28}\right) - \left(-\frac{64}{28}\right) = \left(-\frac{27}{28}\right)$$

$$6. \quad \left(-3\frac{5}{6}\right) - 2\frac{1}{5} = \left(-\frac{23}{6}\right) - \frac{11}{5} = \left(-\frac{115}{30}\right) - \frac{66}{30} = \left(-\frac{181}{30}\right) = \left(-6\frac{1}{30}\right)$$

$$7. \quad \left(-1\frac{1}{6}\right) - \left(-5\frac{1}{5}\right) = \left(-\frac{7}{6}\right) - \left(-\frac{26}{5}\right) = \left(-\frac{35}{30}\right) - \left(-\frac{156}{30}\right) = \frac{121}{30} = 4\frac{1}{30}$$

$$8. \quad \left(-5\frac{5}{8}\right) - \left(-2\frac{4}{7}\right) = \left(-\frac{45}{8}\right) - \left(-\frac{18}{7}\right) = \left(-\frac{315}{56}\right) - \left(-\frac{144}{56}\right) = \left(-\frac{171}{56}\right) = \left(-3\frac{3}{56}\right)$$

$$9. \quad \left(-3\frac{3}{5}\right) - \left(-2\frac{1}{6}\right) = \left(-\frac{18}{5}\right) - \left(-\frac{13}{6}\right) = \left(-\frac{108}{30}\right) - \left(-\frac{65}{30}\right) = \left(-\frac{43}{30}\right) = \left(-1\frac{13}{30}\right)$$

$$10. \quad \left(-4\frac{9}{11}\right) - \left(-4\frac{5}{9}\right) = \left(-\frac{53}{11}\right) - \left(-\frac{41}{9}\right) = \left(-\frac{477}{99}\right) - \left(-\frac{451}{99}\right) = \left(-\frac{26}{99}\right)$$