

Soustraire des fractions mixtes négatives (G)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

1. $\left(-4\frac{2}{5}\right) - \left(-5\frac{5}{11}\right) =$

2. $\left(-3\frac{1}{6}\right) - 3\frac{1}{7} =$

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

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

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

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

7. $\left(-4\frac{1}{10}\right) - \left(-5\frac{10}{11}\right) =$

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

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

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

Soustraire des fractions mixtes négatives (G) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-4\frac{2}{5}\right) - \left(-5\frac{5}{11}\right) = \left(-\frac{22}{5}\right) - \left(-\frac{60}{11}\right) = \left(-\frac{242}{55}\right) - \left(-\frac{300}{55}\right) = \frac{58}{55} = 1\frac{3}{55}$$

$$2. \quad \left(-3\frac{1}{6}\right) - 3\frac{1}{7} = \left(-\frac{19}{6}\right) - \frac{22}{7} = \left(-\frac{133}{42}\right) - \frac{132}{42} = \left(-\frac{265}{42}\right) = \left(-6\frac{13}{42}\right)$$

$$3. \quad \left(-3\frac{9}{10}\right) - 3\frac{1}{9} = \left(-\frac{39}{10}\right) - \frac{28}{9} = \left(-\frac{351}{90}\right) - \frac{280}{90} = \left(-\frac{631}{90}\right) = \left(-7\frac{1}{90}\right)$$

$$4. \quad \left(-4\frac{8}{9}\right) - \frac{3}{4} = \left(-\frac{44}{9}\right) - \frac{3}{4} = \left(-\frac{176}{36}\right) - \frac{27}{36} = \left(-\frac{203}{36}\right) = \left(-5\frac{23}{36}\right)$$

$$5. \quad \left(-2\frac{4}{9}\right) - 1\frac{1}{4} = \left(-\frac{22}{9}\right) - \frac{5}{4} = \left(-\frac{88}{36}\right) - \frac{45}{36} = \left(-\frac{133}{36}\right) = \left(-3\frac{25}{36}\right)$$

$$6. \quad \left(-4\frac{3}{4}\right) - \left(-2\frac{1}{5}\right) = \left(-\frac{19}{4}\right) - \left(-\frac{11}{5}\right) = \left(-\frac{95}{20}\right) - \left(-\frac{44}{20}\right) = \left(-\frac{51}{20}\right) = \left(-2\frac{11}{20}\right)$$

$$7. \quad \left(-4\frac{1}{10}\right) - \left(-5\frac{10}{11}\right) = \left(-\frac{41}{10}\right) - \left(-\frac{65}{11}\right) = \left(-\frac{451}{110}\right) - \left(-\frac{650}{110}\right) = \frac{199}{110} = 1\frac{89}{110}$$

$$8. \quad \left(-2\frac{1}{2}\right) - 4\frac{1}{7} = \left(-\frac{5}{2}\right) - \frac{29}{7} = \left(-\frac{35}{14}\right) - \frac{58}{14} = \left(-\frac{93}{14}\right) = \left(-6\frac{9}{14}\right)$$

$$9. \quad \left(-4\frac{5}{7}\right) - \left(-5\frac{5}{12}\right) = \left(-\frac{33}{7}\right) - \left(-\frac{65}{12}\right) = \left(-\frac{396}{84}\right) - \left(-\frac{455}{84}\right) = \frac{59}{84}$$

$$10. \quad \left(-3\frac{1}{11}\right) - 1\frac{1}{5} = \left(-\frac{34}{11}\right) - \frac{6}{5} = \left(-\frac{170}{55}\right) - \frac{66}{55} = \left(-\frac{236}{55}\right) = \left(-4\frac{16}{55}\right)$$