

Soustraire des fractions mixtes négatives (A)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

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

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

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

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

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

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

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

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

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

10. $\left(-1\frac{3}{7}\right) - \left(-3\frac{1}{9}\right) =$

Soustraire des fractions mixtes négatives (A) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-2\frac{2}{7}\right) - 2\frac{1}{4} = \left(-\frac{16}{7}\right) - \frac{9}{4} = \left(-\frac{64}{28}\right) - \frac{63}{28} = \left(-\frac{127}{28}\right) = \left(-4\frac{15}{28}\right)$$

$$2. \quad \left(-4\frac{3}{4}\right) - \left(-5\frac{4}{11}\right) = \left(-\frac{19}{4}\right) - \left(-\frac{59}{11}\right) = \left(-\frac{209}{44}\right) - \left(-\frac{236}{44}\right) = \frac{27}{44}$$

$$3. \quad \left(-1\frac{1}{6}\right) - 1\frac{1}{11} = \left(-\frac{7}{6}\right) - \frac{12}{11} = \left(-\frac{77}{66}\right) - \frac{72}{66} = \left(-\frac{149}{66}\right) = \left(-2\frac{17}{66}\right)$$

$$4. \quad \left(-2\frac{1}{3}\right) - \frac{1}{2} = \left(-\frac{7}{3}\right) - \frac{1}{2} = \left(-\frac{14}{6}\right) - \frac{3}{6} = \left(-\frac{17}{6}\right) = \left(-2\frac{5}{6}\right)$$

$$5. \quad \left(-2\frac{2}{3}\right) - \left(-2\frac{4}{7}\right) = \left(-\frac{8}{3}\right) - \left(-\frac{18}{7}\right) = \left(-\frac{56}{21}\right) - \left(-\frac{54}{21}\right) = \left(-\frac{2}{21}\right)$$

$$6. \quad \left(-1\frac{2}{3}\right) - \left(-5\frac{1}{5}\right) = \left(-\frac{5}{3}\right) - \left(-\frac{26}{5}\right) = \left(-\frac{25}{15}\right) - \left(-\frac{78}{15}\right) = \frac{53}{15} = 3\frac{8}{15}$$

$$7. \quad \left(-3\frac{1}{3}\right) - \left(-1\frac{1}{8}\right) = \left(-\frac{10}{3}\right) - \left(-\frac{9}{8}\right) = \left(-\frac{80}{24}\right) - \left(-\frac{27}{24}\right) = \left(-\frac{53}{24}\right) = \left(-2\frac{5}{24}\right)$$

$$8. \quad \left(-1\frac{3}{5}\right) - 3\frac{1}{9} = \left(-\frac{8}{5}\right) - \frac{28}{9} = \left(-\frac{72}{45}\right) - \frac{140}{45} = \left(-\frac{212}{45}\right) = \left(-4\frac{32}{45}\right)$$

$$9. \quad \left(-4\frac{4}{5}\right) - \left(-5\frac{2}{11}\right) = \left(-\frac{24}{5}\right) - \left(-\frac{57}{11}\right) = \left(-\frac{264}{55}\right) - \left(-\frac{285}{55}\right) = \frac{21}{55}$$

$$10. \quad \left(-1\frac{3}{7}\right) - \left(-3\frac{1}{9}\right) = \left(-\frac{10}{7}\right) - \left(-\frac{28}{9}\right) = \left(-\frac{90}{63}\right) - \left(-\frac{196}{63}\right) = \frac{106}{63} = 1\frac{43}{63}$$

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.

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

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

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

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

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

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

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

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

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

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

Soustraire des fractions mixtes négatives (C)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

1. $\left(-3\frac{6}{11}\right) - \left(-5\frac{4}{9}\right) =$

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

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

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

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

6. $\left(-3\frac{3}{11}\right) - \frac{9}{10} =$

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

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

9. $\left(-5\frac{1}{12}\right) - 2\frac{2}{7} =$

10. $\left(-5\frac{5}{8}\right) - \frac{8}{9} =$

Soustraire des fractions mixtes négatives (C) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \left(-3\frac{6}{11}\right) - \left(-5\frac{4}{9}\right) = \left(-\frac{39}{11}\right) - \left(-\frac{49}{9}\right) = \left(-\frac{351}{99}\right) - \left(-\frac{539}{99}\right) = \frac{188}{99} = 1\frac{89}{99}$$

$$2. \left(-1\frac{5}{6}\right) - \left(-5\frac{5}{7}\right) = \left(-\frac{11}{6}\right) - \left(-\frac{40}{7}\right) = \left(-\frac{77}{42}\right) - \left(-\frac{240}{42}\right) = \frac{163}{42} = 3\frac{37}{42}$$

$$3. \left(-1\frac{5}{6}\right) - \left(-5\frac{3}{5}\right) = \left(-\frac{11}{6}\right) - \left(-\frac{28}{5}\right) = \left(-\frac{55}{30}\right) - \left(-\frac{168}{30}\right) = \frac{113}{30} = 3\frac{23}{30}$$

$$4. \left(-4\frac{5}{11}\right) - \frac{1}{2} = \left(-\frac{49}{11}\right) - \frac{1}{2} = \left(-\frac{98}{22}\right) - \frac{11}{22} = \left(-\frac{109}{22}\right) = \left(-4\frac{21}{22}\right)$$

$$5. \left(-5\frac{7}{8}\right) - \left(-5\frac{2}{5}\right) = \left(-\frac{47}{8}\right) - \left(-\frac{27}{5}\right) = \left(-\frac{235}{40}\right) - \left(-\frac{216}{40}\right) = \left(-\frac{19}{40}\right)$$

$$6. \left(-3\frac{3}{11}\right) - \frac{9}{10} = \left(-\frac{36}{11}\right) - \frac{9}{10} = \left(-\frac{360}{110}\right) - \frac{99}{110} = \left(-\frac{459}{110}\right) = \left(-4\frac{19}{110}\right)$$

$$7. \left(-1\frac{1}{2}\right) - \frac{6}{7} = \left(-\frac{3}{2}\right) - \frac{6}{7} = \left(-\frac{21}{14}\right) - \frac{12}{14} = \left(-\frac{33}{14}\right) = \left(-2\frac{5}{14}\right)$$

$$8. \left(-1\frac{2}{3}\right) - \left(-4\frac{2}{7}\right) = \left(-\frac{5}{3}\right) - \left(-\frac{30}{7}\right) = \left(-\frac{35}{21}\right) - \left(-\frac{90}{21}\right) = \frac{55}{21} = 2\frac{13}{21}$$

$$9. \left(-5\frac{1}{12}\right) - 2\frac{2}{7} = \left(-\frac{61}{12}\right) - \frac{16}{7} = \left(-\frac{427}{84}\right) - \frac{192}{84} = \left(-\frac{619}{84}\right) = \left(-7\frac{31}{84}\right)$$

$$10. \left(-5\frac{5}{8}\right) - \frac{8}{9} = \left(-\frac{45}{8}\right) - \frac{8}{9} = \left(-\frac{405}{72}\right) - \frac{64}{72} = \left(-\frac{469}{72}\right) = \left(-6\frac{37}{72}\right)$$

Soustraire des fractions mixtes négatives (D)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

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

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

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

4. $\left(-3\frac{6}{7}\right) - \left(-2\frac{7}{8}\right) =$

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

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

7. $\left(-5\frac{2}{3}\right) - \left(-4\frac{9}{10}\right) =$

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

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

10. $\left(-4\frac{5}{6}\right) - 2\frac{9}{11} =$

Soustraire des fractions mixtes négatives (D) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-2\frac{1}{2}\right) - 3\frac{4}{9} = \left(-\frac{5}{2}\right) - \frac{31}{9} = \left(-\frac{45}{18}\right) - \frac{62}{18} = \left(-\frac{107}{18}\right) = \left(-5\frac{17}{18}\right)$$

$$2. \quad \left(-1\frac{2}{3}\right) - \left(-1\frac{7}{11}\right) = \left(-\frac{5}{3}\right) - \left(-\frac{18}{11}\right) = \left(-\frac{55}{33}\right) - \left(-\frac{54}{33}\right) = \left(-\frac{1}{33}\right)$$

$$3. \quad \left(-4\frac{1}{5}\right) - 2\frac{1}{3} = \left(-\frac{21}{5}\right) - \frac{7}{3} = \left(-\frac{63}{15}\right) - \frac{35}{15} = \left(-\frac{98}{15}\right) = \left(-6\frac{8}{15}\right)$$

$$4. \quad \left(-3\frac{6}{7}\right) - \left(-2\frac{7}{8}\right) = \left(-\frac{27}{7}\right) - \left(-\frac{23}{8}\right) = \left(-\frac{216}{56}\right) - \left(-\frac{161}{56}\right) = \left(-\frac{55}{56}\right)$$

$$5. \quad \left(-4\frac{1}{2}\right) - 4\frac{1}{3} = \left(-\frac{9}{2}\right) - \frac{13}{3} = \left(-\frac{27}{6}\right) - \frac{26}{6} = \left(-\frac{53}{6}\right) = \left(-8\frac{5}{6}\right)$$

$$6. \quad \left(-2\frac{1}{2}\right) - 3\frac{2}{3} = \left(-\frac{5}{2}\right) - \frac{11}{3} = \left(-\frac{15}{6}\right) - \frac{22}{6} = \left(-\frac{37}{6}\right) = \left(-6\frac{1}{6}\right)$$

$$7. \quad \left(-5\frac{2}{3}\right) - \left(-4\frac{9}{10}\right) = \left(-\frac{17}{3}\right) - \left(-\frac{49}{10}\right) = \left(-\frac{170}{30}\right) - \left(-\frac{147}{30}\right) = \left(-\frac{23}{30}\right)$$

$$8. \quad \left(-3\frac{1}{2}\right) - \frac{5}{9} = \left(-\frac{7}{2}\right) - \frac{5}{9} = \left(-\frac{63}{18}\right) - \frac{10}{18} = \left(-\frac{73}{18}\right) = \left(-4\frac{1}{18}\right)$$

$$9. \quad \left(-5\frac{2}{5}\right) - \frac{3}{4} = \left(-\frac{27}{5}\right) - \frac{3}{4} = \left(-\frac{108}{20}\right) - \frac{15}{20} = \left(-\frac{123}{20}\right) = \left(-6\frac{3}{20}\right)$$

$$10. \quad \left(-4\frac{5}{6}\right) - 2\frac{9}{11} = \left(-\frac{29}{6}\right) - \frac{31}{11} = \left(-\frac{319}{66}\right) - \frac{186}{66} = \left(-\frac{505}{66}\right) = \left(-7\frac{43}{66}\right)$$

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.

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

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

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

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

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

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

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

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

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

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

Soustraire des fractions mixtes négatives (F)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

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

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

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

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

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

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

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

8. $\left(-3\frac{1}{12}\right) - 1\frac{6}{7} =$

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

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

Soustraire des fractions mixtes négatives (F) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-4\frac{1}{2}\right) - \frac{2}{5} = \left(-\frac{9}{2}\right) - \frac{2}{5} = \left(-\frac{45}{10}\right) - \frac{4}{10} = \left(-\frac{49}{10}\right) = \left(-4\frac{9}{10}\right)$$

$$2. \quad \left(-5\frac{1}{5}\right) - 1\frac{1}{4} = \left(-\frac{26}{5}\right) - \frac{5}{4} = \left(-\frac{104}{20}\right) - \frac{25}{20} = \left(-\frac{129}{20}\right) = \left(-6\frac{9}{20}\right)$$

$$3. \quad \left(-1\frac{5}{9}\right) - \left(-3\frac{3}{4}\right) = \left(-\frac{14}{9}\right) - \left(-\frac{15}{4}\right) = \left(-\frac{56}{36}\right) - \left(-\frac{135}{36}\right) = \frac{79}{36} = 2\frac{7}{36}$$

$$4. \quad \left(-4\frac{1}{3}\right) - \frac{4}{7} = \left(-\frac{13}{3}\right) - \frac{4}{7} = \left(-\frac{91}{21}\right) - \frac{12}{21} = \left(-\frac{103}{21}\right) = \left(-4\frac{19}{21}\right)$$

$$5. \quad \left(-2\frac{7}{10}\right) - \left(-2\frac{8}{11}\right) = \left(-\frac{27}{10}\right) - \left(-\frac{30}{11}\right) = \left(-\frac{297}{110}\right) - \left(-\frac{300}{110}\right) = \frac{3}{110}$$

$$6. \quad \left(-5\frac{5}{7}\right) - \left(-2\frac{1}{2}\right) = \left(-\frac{40}{7}\right) - \left(-\frac{5}{2}\right) = \left(-\frac{80}{14}\right) - \left(-\frac{35}{14}\right) = \left(-\frac{45}{14}\right) = \left(-3\frac{3}{14}\right)$$

$$7. \quad \left(-2\frac{2}{5}\right) - \left(-4\frac{1}{2}\right) = \left(-\frac{12}{5}\right) - \left(-\frac{9}{2}\right) = \left(-\frac{24}{10}\right) - \left(-\frac{45}{10}\right) = \frac{21}{10} = 2\frac{1}{10}$$

$$8. \quad \left(-3\frac{1}{12}\right) - 1\frac{6}{7} = \left(-\frac{37}{12}\right) - \frac{13}{7} = \left(-\frac{259}{84}\right) - \frac{156}{84} = \left(-\frac{415}{84}\right) = \left(-4\frac{79}{84}\right)$$

$$9. \quad \left(-4\frac{2}{3}\right) - 4\frac{2}{7} = \left(-\frac{14}{3}\right) - \frac{30}{7} = \left(-\frac{98}{21}\right) - \frac{90}{21} = \left(-\frac{188}{21}\right) = \left(-8\frac{20}{21}\right)$$

$$10. \quad \left(-5\frac{3}{11}\right) - \left(-5\frac{1}{5}\right) = \left(-\frac{58}{11}\right) - \left(-\frac{26}{5}\right) = \left(-\frac{290}{55}\right) - \left(-\frac{286}{55}\right) = \left(-\frac{4}{55}\right)$$

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.

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

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

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

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

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

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

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

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

Soustraire des fractions mixtes négatives (I)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

1. $\left(-1\frac{5}{12}\right) - 1\frac{3}{5} =$

2. $\left(-2\frac{2}{9}\right) - 3\frac{6}{11} =$

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

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

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

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

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

8. $\left(-4\frac{1}{8}\right) - \left(-4\frac{1}{9}\right) =$

9. $\left(-5\frac{5}{12}\right) - 1\frac{2}{7} =$

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

Soustraire des fractions mixtes négatives (I) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \left(-1\frac{5}{12}\right) - 1\frac{3}{5} = \left(-\frac{17}{12}\right) - \frac{8}{5} = \left(-\frac{85}{60}\right) - \frac{96}{60} = \left(-\frac{181}{60}\right) = \left(-3\frac{1}{60}\right)$$

$$2. \left(-2\frac{2}{9}\right) - 3\frac{6}{11} = \left(-\frac{20}{9}\right) - \frac{39}{11} = \left(-\frac{220}{99}\right) - \frac{351}{99} = \left(-\frac{571}{99}\right) = \left(-5\frac{76}{99}\right)$$

$$3. \left(-5\frac{3}{7}\right) - \left(-3\frac{2}{3}\right) = \left(-\frac{38}{7}\right) - \left(-\frac{11}{3}\right) = \left(-\frac{114}{21}\right) - \left(-\frac{77}{21}\right) = \left(-\frac{37}{21}\right) = \left(-1\frac{16}{21}\right)$$

$$4. \left(-1\frac{1}{2}\right) - \left(-4\frac{2}{3}\right) = \left(-\frac{3}{2}\right) - \left(-\frac{14}{3}\right) = \left(-\frac{9}{6}\right) - \left(-\frac{28}{6}\right) = \frac{19}{6} = 3\frac{1}{6}$$

$$5. \left(-3\frac{3}{5}\right) - \left(-2\frac{1}{3}\right) = \left(-\frac{18}{5}\right) - \left(-\frac{7}{3}\right) = \left(-\frac{54}{15}\right) - \left(-\frac{35}{15}\right) = \left(-\frac{19}{15}\right) = \left(-1\frac{4}{15}\right)$$

$$6. \left(-2\frac{1}{4}\right) - \frac{2}{11} = \left(-\frac{9}{4}\right) - \frac{2}{11} = \left(-\frac{99}{44}\right) - \frac{8}{44} = \left(-\frac{107}{44}\right) = \left(-2\frac{19}{44}\right)$$

$$7. \left(-1\frac{5}{7}\right) - \left(-2\frac{1}{2}\right) = \left(-\frac{12}{7}\right) - \left(-\frac{5}{2}\right) = \left(-\frac{24}{14}\right) - \left(-\frac{35}{14}\right) = \frac{11}{14}$$

$$8. \left(-4\frac{1}{8}\right) - \left(-4\frac{1}{9}\right) = \left(-\frac{33}{8}\right) - \left(-\frac{37}{9}\right) = \left(-\frac{297}{72}\right) - \left(-\frac{296}{72}\right) = \left(-\frac{1}{72}\right)$$

$$9. \left(-5\frac{5}{12}\right) - 1\frac{2}{7} = \left(-\frac{65}{12}\right) - \frac{9}{7} = \left(-\frac{455}{84}\right) - \frac{108}{84} = \left(-\frac{563}{84}\right) = \left(-6\frac{59}{84}\right)$$

$$10. \left(-3\frac{4}{11}\right) - \frac{2}{9} = \left(-\frac{37}{11}\right) - \frac{2}{9} = \left(-\frac{333}{99}\right) - \frac{22}{99} = \left(-\frac{355}{99}\right) = \left(-3\frac{58}{99}\right)$$

Soustraire des fractions mixtes négatives (J)

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

1. $\left(-2\frac{7}{9}\right) - 1\frac{3}{7} =$

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

3. $\left(-1\frac{1}{2}\right) - 2\frac{7}{9} =$

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

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

6. $\left(-4\frac{3}{5}\right) - 2\frac{5}{8} =$

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

8. $\left(-5\frac{1}{2}\right) - \frac{9}{11} =$

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

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

Soustraire des fractions mixtes négatives (J) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque différence.

$$1. \quad \left(-2\frac{7}{9}\right) - 1\frac{3}{7} = \left(-\frac{25}{9}\right) - \frac{10}{7} = \left(-\frac{175}{63}\right) - \frac{90}{63} = \left(-\frac{265}{63}\right) = \left(-4\frac{13}{63}\right)$$

$$2. \quad \left(-3\frac{4}{5}\right) - \left(-5\frac{5}{9}\right) = \left(-\frac{19}{5}\right) - \left(-\frac{50}{9}\right) = \left(-\frac{171}{45}\right) - \left(-\frac{250}{45}\right) = \frac{79}{45} = 1\frac{34}{45}$$

$$3. \quad \left(-1\frac{1}{2}\right) - 2\frac{7}{9} = \left(-\frac{3}{2}\right) - \frac{25}{9} = \left(-\frac{27}{18}\right) - \frac{50}{18} = \left(-\frac{77}{18}\right) = \left(-4\frac{5}{18}\right)$$

$$4. \quad \left(-2\frac{2}{3}\right) - 1\frac{7}{8} = \left(-\frac{8}{3}\right) - \frac{15}{8} = \left(-\frac{64}{24}\right) - \frac{45}{24} = \left(-\frac{109}{24}\right) = \left(-4\frac{13}{24}\right)$$

$$5. \quad \left(-3\frac{1}{2}\right) - \left(-5\frac{2}{11}\right) = \left(-\frac{7}{2}\right) - \left(-\frac{57}{11}\right) = \left(-\frac{77}{22}\right) - \left(-\frac{114}{22}\right) = \frac{37}{22} = 1\frac{15}{22}$$

$$6. \quad \left(-4\frac{3}{5}\right) - 2\frac{5}{8} = \left(-\frac{23}{5}\right) - \frac{21}{8} = \left(-\frac{184}{40}\right) - \frac{105}{40} = \left(-\frac{289}{40}\right) = \left(-7\frac{9}{40}\right)$$

$$7. \quad \left(-1\frac{1}{6}\right) - 5\frac{2}{5} = \left(-\frac{7}{6}\right) - \frac{27}{5} = \left(-\frac{35}{30}\right) - \frac{162}{30} = \left(-\frac{197}{30}\right) = \left(-6\frac{17}{30}\right)$$

$$8. \quad \left(-5\frac{1}{2}\right) - \frac{9}{11} = \left(-\frac{11}{2}\right) - \frac{9}{11} = \left(-\frac{121}{22}\right) - \frac{18}{22} = \left(-\frac{139}{22}\right) = \left(-6\frac{7}{22}\right)$$

$$9. \quad \left(-1\frac{4}{9}\right) - \left(-3\frac{4}{11}\right) = \left(-\frac{13}{9}\right) - \left(-\frac{37}{11}\right) = \left(-\frac{143}{99}\right) - \left(-\frac{333}{99}\right) = \frac{190}{99} = 1\frac{91}{99}$$

$$10. \quad \left(-5\frac{5}{7}\right) - \left(-1\frac{10}{11}\right) = \left(-\frac{40}{7}\right) - \left(-\frac{21}{11}\right) = \left(-\frac{440}{77}\right) - \left(-\frac{147}{77}\right) = \left(-\frac{293}{77}\right) = \left(-3\frac{62}{77}\right)$$