

Diviser des fractions mixtes négatives (A)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

3. $4\frac{1}{7} \div \left(-1\frac{3}{10}\right) =$

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

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

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

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

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

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

10. $4\frac{3}{5} \div \left(-3\frac{8}{12}\right) =$

Diviser des fractions mixtes négatives (A) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad \left(-1\frac{5}{6}\right) \div \frac{5}{7} = \left(-\frac{11}{6}\right) \div \frac{5}{7} = \left(-\frac{11}{6}\right) \times \frac{7}{5} = \left(-\frac{77}{30}\right) = \left(-2\frac{17}{30}\right)$$

$$2. \quad 3\frac{2}{3} \div \left(-4\frac{1}{2}\right) = \frac{11}{3} \div \left(-\frac{9}{2}\right) = \frac{11}{3} \times \left(-\frac{2}{9}\right) = \left(-\frac{22}{27}\right)$$

$$3. \quad 4\frac{1}{7} \div \left(-1\frac{3}{10}\right) = \frac{29}{7} \div \left(-\frac{13}{10}\right) = \frac{29}{7} \times \left(-\frac{10}{13}\right) = \left(-\frac{290}{91}\right) = \left(-3\frac{17}{91}\right)$$

$$4. \quad \left(-5\frac{1}{5}\right) \div \left(-4\frac{1}{4}\right) = \left(-\frac{26}{5}\right) \div \left(-\frac{17}{4}\right) = \left(-\frac{26}{5}\right) \times \left(-\frac{4}{17}\right) = \frac{104}{85} = 1\frac{19}{85}$$

$$5. \quad \left(-1\frac{1}{6}\right) \div 4\frac{3}{11} = \left(-\frac{7}{6}\right) \div \frac{47}{11} = \left(-\frac{7}{6}\right) \times \frac{11}{47} = \left(-\frac{77}{282}\right)$$

$$6. \quad \frac{5}{11} \div \left(-5\frac{2}{6}\right) = \frac{5}{11} \div \left(-\frac{32}{6}\right) = \frac{5}{11} \times \left(-\frac{6}{32}\right) = \left(-\frac{30}{352}\right) = \left(-\frac{15}{176}\right)$$

$$7. \quad \frac{1}{2} \div \left(-5\frac{2}{5}\right) = \frac{1}{2} \div \left(-\frac{27}{5}\right) = \frac{1}{2} \times \left(-\frac{5}{27}\right) = \left(-\frac{5}{54}\right)$$

$$8. \quad \left(-3\frac{1}{6}\right) \div \frac{9}{11} = \left(-\frac{19}{6}\right) \div \frac{9}{11} = \left(-\frac{19}{6}\right) \times \frac{11}{9} = \left(-\frac{209}{54}\right) = \left(-3\frac{47}{54}\right)$$

$$9. \quad \frac{4}{5} \div \left(-5\frac{5}{6}\right) = \frac{4}{5} \div \left(-\frac{35}{6}\right) = \frac{4}{5} \times \left(-\frac{6}{35}\right) = \left(-\frac{24}{175}\right)$$

$$10. \quad 4\frac{3}{5} \div \left(-3\frac{8}{12}\right) = \frac{23}{5} \div \left(-\frac{44}{12}\right) = \frac{23}{5} \times \left(-\frac{12}{44}\right) = \left(-\frac{276}{220}\right) = \left(-\frac{69}{55}\right) = \left(-1\frac{14}{55}\right)$$

Diviser des fractions mixtes négatives (B)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

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

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

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

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

7. $\left(-3\frac{5}{8}\right) \div 2\frac{10}{11} =$

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

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

10. $\left(-5\frac{8}{11}\right) \div 2\frac{3}{7} =$

Diviser des fractions mixtes négatives (B) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad \left(-2\frac{1}{5}\right) \div \left(-5\frac{9}{12}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{69}{12}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{12}{69}\right) = \frac{132}{345} = \frac{44}{115}$$

$$2. \quad \frac{5}{6} \div \left(-2\frac{5}{7}\right) = \frac{5}{6} \div \left(-\frac{19}{7}\right) = \frac{5}{6} \times \left(-\frac{7}{19}\right) = \left(-\frac{35}{114}\right)$$

$$3. \quad 2\frac{3}{5} \div \left(-5\frac{1}{3}\right) = \frac{13}{5} \div \left(-\frac{16}{3}\right) = \frac{13}{5} \times \left(-\frac{3}{16}\right) = \left(-\frac{39}{80}\right)$$

$$4. \quad 2\frac{7}{9} \div \left(-5\frac{2}{7}\right) = \frac{25}{9} \div \left(-\frac{37}{7}\right) = \frac{25}{9} \times \left(-\frac{7}{37}\right) = \left(-\frac{175}{333}\right)$$

$$5. \quad 4\frac{4}{7} \div \left(-4\frac{7}{8}\right) = \frac{32}{7} \div \left(-\frac{39}{8}\right) = \frac{32}{7} \times \left(-\frac{8}{39}\right) = \left(-\frac{256}{273}\right)$$

$$6. \quad \left(-1\frac{3}{8}\right) \div 1\frac{5}{7} = \left(-\frac{11}{8}\right) \div \frac{12}{7} = \left(-\frac{11}{8}\right) \times \frac{7}{12} = \left(-\frac{77}{96}\right)$$

$$7. \quad \left(-3\frac{5}{8}\right) \div 2\frac{10}{11} = \left(-\frac{29}{8}\right) \div \frac{32}{11} = \left(-\frac{29}{8}\right) \times \frac{11}{32} = \left(-\frac{319}{256}\right) = \left(-1\frac{63}{256}\right)$$

$$8. \quad \left(-5\frac{7}{9}\right) \div \frac{3}{4} = \left(-\frac{52}{9}\right) \div \frac{3}{4} = \left(-\frac{52}{9}\right) \times \frac{4}{3} = \left(-\frac{208}{27}\right) = \left(-7\frac{19}{27}\right)$$

$$9. \quad \left(-4\frac{3}{4}\right) \div \left(-2\frac{2}{5}\right) = \left(-\frac{19}{4}\right) \div \left(-\frac{12}{5}\right) = \left(-\frac{19}{4}\right) \times \left(-\frac{5}{12}\right) = \frac{95}{48} = 1\frac{47}{48}$$

$$10. \quad \left(-5\frac{8}{11}\right) \div 2\frac{3}{7} = \left(-\frac{63}{11}\right) \div \frac{17}{7} = \left(-\frac{63}{11}\right) \times \frac{7}{17} = \left(-\frac{441}{187}\right) = \left(-2\frac{67}{187}\right)$$

Diviser des fractions mixtes négatives (C)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

1. $\left(-1\frac{2}{3}\right) \div \left(-5\frac{6}{8}\right) =$

2. $\left(-1\frac{2}{7}\right) \div 4\frac{1}{9} =$

3. $\left(-3\frac{8}{11}\right) \div \left(-4\frac{5}{8}\right) =$

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

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

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

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

8. $\left(-4\frac{8}{10}\right) \div 5\frac{4}{9} =$

9. $\left(-4\frac{3}{11}\right) \div \left(-5\frac{8}{9}\right) =$

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

Diviser des fractions mixtes négatives (C) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad \left(-1\frac{2}{3}\right) \div \left(-5\frac{6}{8}\right) = \left(-\frac{5}{3}\right) \div \left(-\frac{46}{8}\right) = \left(-\frac{5}{3}\right) \times \left(-\frac{8}{46}\right) = \frac{40}{138} = \frac{20}{69}$$

$$2. \quad \left(-1\frac{2}{7}\right) \div 4\frac{1}{9} = \left(-\frac{9}{7}\right) \div \frac{37}{9} = \left(-\frac{9}{7}\right) \times \frac{9}{37} = \left(-\frac{81}{259}\right)$$

$$3. \quad \left(-3\frac{8}{11}\right) \div \left(-4\frac{5}{8}\right) = \left(-\frac{41}{11}\right) \div \left(-\frac{37}{8}\right) = \left(-\frac{41}{11}\right) \times \left(-\frac{8}{37}\right) = \frac{328}{407}$$

$$4. \quad \left(-2\frac{5}{6}\right) \div \left(-3\frac{1}{7}\right) = \left(-\frac{17}{6}\right) \div \left(-\frac{22}{7}\right) = \left(-\frac{17}{6}\right) \times \left(-\frac{7}{22}\right) = \frac{119}{132}$$

$$5. \quad \left(-1\frac{9}{10}\right) \div \left(-1\frac{3}{9}\right) = \left(-\frac{19}{10}\right) \div \left(-\frac{12}{9}\right) = \left(-\frac{19}{10}\right) \times \left(-\frac{9}{12}\right) = \frac{171}{120} = \frac{57}{40} = 1\frac{17}{40}$$

$$6. \quad \left(-4\frac{1}{8}\right) \div 1\frac{1}{3} = \left(-\frac{33}{8}\right) \div \frac{4}{3} = \left(-\frac{33}{8}\right) \times \frac{3}{4} = \left(-\frac{99}{32}\right) = \left(-3\frac{3}{32}\right)$$

$$7. \quad 1\frac{6}{7} \div \left(-5\frac{6}{8}\right) = \frac{13}{7} \div \left(-\frac{46}{8}\right) = \frac{13}{7} \times \left(-\frac{8}{46}\right) = \left(-\frac{104}{322}\right) = \left(-\frac{52}{161}\right)$$

$$8. \quad \left(-4\frac{8}{10}\right) \div 5\frac{4}{9} = \left(-\frac{48}{10}\right) \div \frac{49}{9} = \left(-\frac{48}{10}\right) \times \frac{9}{49} = \left(-\frac{432}{490}\right) = \left(-\frac{216}{245}\right)$$

$$9. \quad \left(-4\frac{3}{11}\right) \div \left(-5\frac{8}{9}\right) = \left(-\frac{47}{11}\right) \div \left(-\frac{53}{9}\right) = \left(-\frac{47}{11}\right) \times \left(-\frac{9}{53}\right) = \frac{423}{583}$$

$$10. \quad \left(-4\frac{1}{4}\right) \div \left(-2\frac{3}{9}\right) = \left(-\frac{17}{4}\right) \div \left(-\frac{21}{9}\right) = \left(-\frac{17}{4}\right) \times \left(-\frac{9}{21}\right) = \frac{153}{84} = \frac{51}{28} = 1\frac{23}{28}$$

Diviser des fractions mixtes négatives (D)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

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

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

5. $2\frac{3}{8} \div \left(-5\frac{6}{9}\right) =$

6. $4\frac{2}{11} \div \left(-4\frac{3}{12}\right) =$

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

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

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

10. $\left(-1\frac{10}{12}\right) \div 5\frac{6}{11} =$

Diviser des fractions mixtes négatives (D) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad 1\frac{1}{4} \div \left(-3\frac{6}{9}\right) = \frac{5}{4} \div \left(-\frac{33}{9}\right) = \frac{5}{4} \times \left(-\frac{9}{33}\right) = \left(-\frac{45}{132}\right) = \left(-\frac{15}{44}\right)$$

$$2. \quad \left(-5\frac{1}{2}\right) \div 2\frac{5}{9} = \left(-\frac{11}{2}\right) \div \frac{23}{9} = \left(-\frac{11}{2}\right) \times \frac{9}{23} = \left(-\frac{99}{46}\right) = \left(-2\frac{7}{46}\right)$$

$$3. \quad \left(-3\frac{1}{2}\right) \div \left(-1\frac{3}{7}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{10}{7}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{7}{10}\right) = \frac{49}{20} = 2\frac{9}{20}$$

$$4. \quad \left(-1\frac{5}{8}\right) \div \left(-3\frac{2}{5}\right) = \left(-\frac{13}{8}\right) \div \left(-\frac{17}{5}\right) = \left(-\frac{13}{8}\right) \times \left(-\frac{5}{17}\right) = \frac{65}{136}$$

$$5. \quad 2\frac{3}{8} \div \left(-5\frac{6}{9}\right) = \frac{19}{8} \div \left(-\frac{51}{9}\right) = \frac{19}{8} \times \left(-\frac{9}{51}\right) = \left(-\frac{171}{408}\right) = \left(-\frac{57}{136}\right)$$

$$6. \quad 4\frac{2}{11} \div \left(-4\frac{3}{12}\right) = \frac{46}{11} \div \left(-\frac{51}{12}\right) = \frac{46}{11} \times \left(-\frac{12}{51}\right) = \left(-\frac{552}{561}\right) = \left(-\frac{184}{187}\right)$$

$$7. \quad \left(-5\frac{2}{9}\right) \div 1\frac{2}{7} = \left(-\frac{47}{9}\right) \div \frac{9}{7} = \left(-\frac{47}{9}\right) \times \frac{7}{9} = \left(-\frac{329}{81}\right) = \left(-4\frac{5}{81}\right)$$

$$8. \quad \frac{1}{3} \div \left(-1\frac{6}{7}\right) = \frac{1}{3} \div \left(-\frac{13}{7}\right) = \frac{1}{3} \times \left(-\frac{7}{13}\right) = \left(-\frac{7}{39}\right)$$

$$9. \quad \left(-3\frac{2}{7}\right) \div \left(-3\frac{1}{9}\right) = \left(-\frac{23}{7}\right) \div \left(-\frac{28}{9}\right) = \left(-\frac{23}{7}\right) \times \left(-\frac{9}{28}\right) = \frac{207}{196} = 1\frac{11}{196}$$

$$10. \quad \left(-1\frac{10}{12}\right) \div 5\frac{6}{11} = \left(-\frac{22}{12}\right) \div \frac{61}{11} = \left(-\frac{22}{12}\right) \times \frac{11}{61} = \left(-\frac{242}{732}\right) = \left(-\frac{121}{366}\right)$$

Diviser des fractions mixtes négatives (E)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

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

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

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

6. $\left(-3\frac{2}{7}\right) \div \left(-3\frac{6}{12}\right) =$

7. $\left(-5\frac{2}{11}\right) \div 3\frac{5}{7} =$

8. $\left(-5\frac{7}{9}\right) \div \left(-3\frac{1}{2}\right) =$

9. $\left(-5\frac{4}{11}\right) \div \left(-1\frac{10}{12}\right) =$

10. $\left(-1\frac{9}{12}\right) \div 5\frac{4}{5} =$

Diviser des fractions mixtes négatives (E) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

1. $\left(-3\frac{5}{8}\right) \div \left(-1\frac{4}{7}\right) = \left(-\frac{29}{8}\right) \div \left(-\frac{11}{7}\right) = \left(-\frac{29}{8}\right) \times \left(-\frac{7}{11}\right) = \frac{203}{88} = 2\frac{27}{88}$
2. $\left(-1\frac{6}{9}\right) \div 3\frac{1}{2} = \left(-\frac{15}{9}\right) \div \frac{7}{2} = \left(-\frac{15}{9}\right) \times \frac{2}{7} = \left(-\frac{30}{63}\right) = \left(-\frac{10}{21}\right)$
3. $1\frac{3}{8} \div \left(-3\frac{1}{5}\right) = \frac{11}{8} \div \left(-\frac{16}{5}\right) = \frac{11}{8} \times \left(-\frac{5}{16}\right) = \left(-\frac{55}{128}\right)$
4. $\left(-4\frac{2}{11}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{46}{11}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{46}{11}\right) \times \left(-\frac{3}{7}\right) = \frac{138}{77} = 1\frac{61}{77}$
5. $\frac{8}{9} \div \left(-1\frac{1}{2}\right) = \frac{8}{9} \div \left(-\frac{3}{2}\right) = \frac{8}{9} \times \left(-\frac{2}{3}\right) = \left(-\frac{16}{27}\right)$
6. $\left(-3\frac{2}{7}\right) \div \left(-3\frac{6}{12}\right) = \left(-\frac{23}{7}\right) \div \left(-\frac{42}{12}\right) = \left(-\frac{23}{7}\right) \times \left(-\frac{12}{42}\right) = \frac{276}{294} = \frac{46}{49}$
7. $\left(-5\frac{2}{11}\right) \div 3\frac{5}{7} = \left(-\frac{57}{11}\right) \div \frac{26}{7} = \left(-\frac{57}{11}\right) \times \frac{7}{26} = \left(-\frac{399}{286}\right) = \left(-1\frac{113}{286}\right)$
8. $\left(-5\frac{7}{9}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{52}{9}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{52}{9}\right) \times \left(-\frac{2}{7}\right) = \frac{104}{63} = 1\frac{41}{63}$
9. $\left(-5\frac{4}{11}\right) \div \left(-1\frac{10}{12}\right) = \left(-\frac{59}{11}\right) \div \left(-\frac{22}{12}\right) = \left(-\frac{59}{11}\right) \times \left(-\frac{12}{22}\right) = \frac{708}{242} = \frac{354}{121} = 2\frac{112}{121}$
10. $\left(-1\frac{9}{12}\right) \div 5\frac{4}{5} = \left(-\frac{21}{12}\right) \div \frac{29}{5} = \left(-\frac{21}{12}\right) \times \frac{5}{29} = \left(-\frac{105}{348}\right) = \left(-\frac{35}{116}\right)$

Diviser des fractions mixtes négatives (F)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

1. $5\frac{9}{10} \div \left(-2\frac{3}{7}\right) =$

2. $\left(-1\frac{9}{12}\right) \div 5\frac{4}{5} =$

3. $\left(-1\frac{9}{10}\right) \div \left(-5\frac{2}{3}\right) =$

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

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

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

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

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

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

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

Diviser des fractions mixtes négatives (F) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad 5\frac{9}{10} \div \left(-2\frac{3}{7}\right) = \frac{59}{10} \div \left(-\frac{17}{7}\right) = \frac{59}{10} \times \left(-\frac{7}{17}\right) = \left(-\frac{413}{170}\right) = \left(-2\frac{73}{170}\right)$$

$$2. \quad \left(-1\frac{9}{12}\right) \div 5\frac{4}{5} = \left(-\frac{21}{12}\right) \div \frac{29}{5} = \left(-\frac{21}{12}\right) \times \frac{5}{29} = \left(-\frac{105}{348}\right) = \left(-\frac{35}{116}\right)$$

$$3. \quad \left(-1\frac{9}{10}\right) \div \left(-5\frac{2}{3}\right) = \left(-\frac{19}{10}\right) \div \left(-\frac{17}{3}\right) = \left(-\frac{19}{10}\right) \times \left(-\frac{3}{17}\right) = \frac{57}{170}$$

$$4. \quad 4\frac{3}{5} \div \left(-2\frac{5}{8}\right) = \frac{23}{5} \div \left(-\frac{21}{8}\right) = \frac{23}{5} \times \left(-\frac{8}{21}\right) = \left(-\frac{184}{105}\right) = \left(-1\frac{79}{105}\right)$$

$$5. \quad \left(-3\frac{4}{6}\right) \div 3\frac{2}{5} = \left(-\frac{22}{6}\right) \div \frac{17}{5} = \left(-\frac{22}{6}\right) \times \frac{5}{17} = \left(-\frac{110}{102}\right) = \left(-\frac{55}{51}\right) = \left(-1\frac{4}{51}\right)$$

$$6. \quad \left(-4\frac{3}{5}\right) \div 1\frac{5}{6} = \left(-\frac{23}{5}\right) \div \frac{11}{6} = \left(-\frac{23}{5}\right) \times \frac{6}{11} = \left(-\frac{138}{55}\right) = \left(-2\frac{28}{55}\right)$$

$$7. \quad 4\frac{2}{5} \div \left(-4\frac{1}{4}\right) = \frac{22}{5} \div \left(-\frac{17}{4}\right) = \frac{22}{5} \times \left(-\frac{4}{17}\right) = \left(-\frac{88}{85}\right) = \left(-1\frac{3}{85}\right)$$

$$8. \quad \left(-2\frac{1}{2}\right) \div \frac{2}{5} = \left(-\frac{5}{2}\right) \div \frac{2}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{2} = \left(-\frac{25}{4}\right) = \left(-6\frac{1}{4}\right)$$

$$9. \quad \left(-4\frac{1}{3}\right) \div \left(-2\frac{2}{4}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{10}{4}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{4}{10}\right) = \frac{52}{30} = \frac{26}{15} = 1\frac{11}{15}$$

$$10. \quad \left(-2\frac{4}{6}\right) \div \left(-5\frac{2}{5}\right) = \left(-\frac{16}{6}\right) \div \left(-\frac{27}{5}\right) = \left(-\frac{16}{6}\right) \times \left(-\frac{5}{27}\right) = \frac{80}{162} = \frac{40}{81}$$

Diviser des fractions mixtes négatives (G)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

3. $2\frac{5}{11} \div \left(-5\frac{8}{12}\right) =$

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

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

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

7. $\left(-1\frac{8}{12}\right) \div \left(-1\frac{2}{7}\right) =$

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

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

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

Diviser des fractions mixtes négatives (G) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad \left(-5\frac{2}{3}\right) \div \left(-4\frac{1}{2}\right) = \left(-\frac{17}{3}\right) \div \left(-\frac{9}{2}\right) = \left(-\frac{17}{3}\right) \times \left(-\frac{2}{9}\right) = \frac{34}{27} = 1\frac{7}{27}$$

$$2. \quad \frac{1}{5} \div \left(-3\frac{5}{6}\right) = \frac{1}{5} \div \left(-\frac{23}{6}\right) = \frac{1}{5} \times \left(-\frac{6}{23}\right) = \left(-\frac{6}{115}\right)$$

$$3. \quad 2\frac{5}{11} \div \left(-5\frac{8}{12}\right) = \frac{27}{11} \div \left(-\frac{68}{12}\right) = \frac{27}{11} \times \left(-\frac{12}{68}\right) = \left(-\frac{324}{748}\right) = \left(-\frac{81}{187}\right)$$

$$4. \quad \left(-2\frac{3}{8}\right) \div 4\frac{8}{9} = \left(-\frac{19}{8}\right) \div \frac{44}{9} = \left(-\frac{19}{8}\right) \times \frac{9}{44} = \left(-\frac{171}{352}\right)$$

$$5. \quad \left(-1\frac{2}{3}\right) \div \left(-5\frac{2}{8}\right) = \left(-\frac{5}{3}\right) \div \left(-\frac{42}{8}\right) = \left(-\frac{5}{3}\right) \times \left(-\frac{8}{42}\right) = \frac{40}{126} = \frac{20}{63}$$

$$6. \quad \left(-3\frac{2}{5}\right) \div \left(-4\frac{6}{8}\right) = \left(-\frac{17}{5}\right) \div \left(-\frac{38}{8}\right) = \left(-\frac{17}{5}\right) \times \left(-\frac{8}{38}\right) = \frac{136}{190} = \frac{68}{95}$$

$$7. \quad \left(-1\frac{8}{12}\right) \div \left(-1\frac{2}{7}\right) = \left(-\frac{20}{12}\right) \div \left(-\frac{9}{7}\right) = \left(-\frac{20}{12}\right) \times \left(-\frac{7}{9}\right) = \frac{140}{108} = \frac{35}{27} = 1\frac{8}{27}$$

$$8. \quad \left(-1\frac{3}{4}\right) \div \left(-4\frac{2}{5}\right) = \left(-\frac{7}{4}\right) \div \left(-\frac{22}{5}\right) = \left(-\frac{7}{4}\right) \times \left(-\frac{5}{22}\right) = \frac{35}{88}$$

$$9. \quad \left(-2\frac{2}{8}\right) \div \left(-5\frac{2}{7}\right) = \left(-\frac{18}{8}\right) \div \left(-\frac{37}{7}\right) = \left(-\frac{18}{8}\right) \times \left(-\frac{7}{37}\right) = \frac{126}{296} = \frac{63}{148}$$

$$10. \quad 3\frac{5}{9} \div \left(-3\frac{2}{5}\right) = \frac{32}{9} \div \left(-\frac{17}{5}\right) = \frac{32}{9} \times \left(-\frac{5}{17}\right) = \left(-\frac{160}{153}\right) = \left(-1\frac{7}{153}\right)$$

Diviser des fractions mixtes négatives (H)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

1. $2\frac{5}{9} \div \left(-2\frac{6}{10}\right) =$

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

3. $2\frac{6}{7} \div \left(-5\frac{8}{11}\right) =$

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

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

6. $2\frac{3}{8} \div \left(-4\frac{6}{9}\right) =$

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

8. $\left(-3\frac{5}{9}\right) \div \left(-3\frac{5}{10}\right) =$

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

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

Diviser des fractions mixtes négatives (H) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad 2\frac{5}{9} \div \left(-2\frac{6}{10}\right) = \frac{23}{9} \div \left(-\frac{26}{10}\right) = \frac{23}{9} \times \left(-\frac{10}{26}\right) = \left(-\frac{230}{234}\right) = \left(-\frac{115}{117}\right)$$

$$2. \quad \left(-3\frac{3}{5}\right) \div \left(-3\frac{8}{11}\right) = \left(-\frac{18}{5}\right) \div \left(-\frac{41}{11}\right) = \left(-\frac{18}{5}\right) \times \left(-\frac{11}{41}\right) = \frac{198}{205}$$

$$3. \quad 2\frac{6}{7} \div \left(-5\frac{8}{11}\right) = \frac{20}{7} \div \left(-\frac{63}{11}\right) = \frac{20}{7} \times \left(-\frac{11}{63}\right) = \left(-\frac{220}{441}\right)$$

$$4. \quad \left(-5\frac{1}{2}\right) \div \left(-1\frac{2}{7}\right) = \left(-\frac{11}{2}\right) \div \left(-\frac{9}{7}\right) = \left(-\frac{11}{2}\right) \times \left(-\frac{7}{9}\right) = \frac{77}{18} = 4\frac{5}{18}$$

$$5. \quad \left(-5\frac{1}{3}\right) \div 1\frac{1}{2} = \left(-\frac{16}{3}\right) \div \frac{3}{2} = \left(-\frac{16}{3}\right) \times \frac{2}{3} = \left(-\frac{32}{9}\right) = \left(-3\frac{5}{9}\right)$$

$$6. \quad 2\frac{3}{8} \div \left(-4\frac{6}{9}\right) = \frac{19}{8} \div \left(-\frac{42}{9}\right) = \frac{19}{8} \times \left(-\frac{9}{42}\right) = \left(-\frac{171}{336}\right) = \left(-\frac{57}{112}\right)$$

$$7. \quad \left(-2\frac{7}{10}\right) \div \left(-1\frac{2}{11}\right) = \left(-\frac{27}{10}\right) \div \left(-\frac{13}{11}\right) = \left(-\frac{27}{10}\right) \times \left(-\frac{11}{13}\right) = \frac{297}{130} = 2\frac{37}{130}$$

$$8. \quad \left(-3\frac{5}{9}\right) \div \left(-3\frac{5}{10}\right) = \left(-\frac{32}{9}\right) \div \left(-\frac{35}{10}\right) = \left(-\frac{32}{9}\right) \times \left(-\frac{10}{35}\right) = \frac{320}{315} = \frac{64}{63} = 1\frac{1}{63}$$

$$9. \quad \left(-5\frac{1}{2}\right) \div \left(-2\frac{4}{5}\right) = \left(-\frac{11}{2}\right) \div \left(-\frac{14}{5}\right) = \left(-\frac{11}{2}\right) \times \left(-\frac{5}{14}\right) = \frac{55}{28} = 1\frac{27}{28}$$

$$10. \quad \left(-2\frac{4}{8}\right) \div 5\frac{2}{3} = \left(-\frac{20}{8}\right) \div \frac{17}{3} = \left(-\frac{20}{8}\right) \times \frac{3}{17} = \left(-\frac{60}{136}\right) = \left(-\frac{15}{34}\right)$$

Diviser des fractions mixtes négatives (I)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

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

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

5. $\frac{3}{7} \div \left(-5\frac{6}{8}\right) =$

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

7. $5\frac{2}{11} \div \left(-2\frac{8}{9}\right) =$

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

9. $\left(-3\frac{6}{7}\right) \div \left(-1\frac{3}{5}\right) =$

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

Diviser des fractions mixtes négatives (I) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad \left(-4\frac{2}{3}\right) \div 2\frac{7}{10} = \left(-\frac{14}{3}\right) \div \frac{27}{10} = \left(-\frac{14}{3}\right) \times \frac{10}{27} = \left(-\frac{140}{81}\right) = \left(-1\frac{59}{81}\right)$$

$$2. \quad \left(-4\frac{1}{2}\right) \div \left(-5\frac{2}{3}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{17}{3}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{3}{17}\right) = \frac{27}{34}$$

$$3. \quad \left(-4\frac{3}{6}\right) \div \left(-4\frac{6}{11}\right) = \left(-\frac{27}{6}\right) \div \left(-\frac{50}{11}\right) = \left(-\frac{27}{6}\right) \times \left(-\frac{11}{50}\right) = \frac{297}{300} = \frac{99}{100}$$

$$4. \quad 3\frac{3}{5} \div \left(-4\frac{5}{9}\right) = \frac{18}{5} \div \left(-\frac{41}{9}\right) = \frac{18}{5} \times \left(-\frac{9}{41}\right) = \left(-\frac{162}{205}\right)$$

$$5. \quad \frac{3}{7} \div \left(-5\frac{6}{8}\right) = \frac{3}{7} \div \left(-\frac{46}{8}\right) = \frac{3}{7} \times \left(-\frac{8}{46}\right) = \left(-\frac{24}{322}\right) = \left(-\frac{12}{161}\right)$$

$$6. \quad \frac{3}{5} \div \left(-2\frac{2}{7}\right) = \frac{3}{5} \div \left(-\frac{16}{7}\right) = \frac{3}{5} \times \left(-\frac{7}{16}\right) = \left(-\frac{21}{80}\right)$$

$$7. \quad 5\frac{2}{11} \div \left(-2\frac{8}{9}\right) = \frac{57}{11} \div \left(-\frac{26}{9}\right) = \frac{57}{11} \times \left(-\frac{9}{26}\right) = \left(-\frac{513}{286}\right) = \left(-1\frac{227}{286}\right)$$

$$8. \quad \left(-4\frac{2}{8}\right) \div \left(-4\frac{5}{7}\right) = \left(-\frac{34}{8}\right) \div \left(-\frac{33}{7}\right) = \left(-\frac{34}{8}\right) \times \left(-\frac{7}{33}\right) = \frac{238}{264} = \frac{119}{132}$$

$$9. \quad \left(-3\frac{6}{7}\right) \div \left(-1\frac{3}{5}\right) = \left(-\frac{27}{7}\right) \div \left(-\frac{8}{5}\right) = \left(-\frac{27}{7}\right) \times \left(-\frac{5}{8}\right) = \frac{135}{56} = 2\frac{23}{56}$$

$$10. \quad \left(-2\frac{1}{3}\right) \div \left(-5\frac{5}{11}\right) = \left(-\frac{7}{3}\right) \div \left(-\frac{60}{11}\right) = \left(-\frac{7}{3}\right) \times \left(-\frac{11}{60}\right) = \frac{77}{180}$$

Diviser des fractions mixtes négatives (J)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

1. $\left(-4\frac{2}{5}\right) \div \left(-3\frac{1}{8}\right) =$

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

3. $\left(-4\frac{4}{11}\right) \div 4\frac{1}{12} =$

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

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

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

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

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

9. $\left(-2\frac{3}{12}\right) \div 5\frac{4}{5} =$

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

Diviser des fractions mixtes négatives (J) Réponses

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

$$1. \quad \left(-4\frac{2}{5}\right) \div \left(-3\frac{1}{8}\right) = \left(-\frac{22}{5}\right) \div \left(-\frac{25}{8}\right) = \left(-\frac{22}{5}\right) \times \left(-\frac{8}{25}\right) = \frac{176}{125} = 1\frac{51}{125}$$

$$2. \quad \left(-5\frac{3}{9}\right) \div \left(-4\frac{7}{10}\right) = \left(-\frac{48}{9}\right) \div \left(-\frac{47}{10}\right) = \left(-\frac{48}{9}\right) \times \left(-\frac{10}{47}\right) = \frac{480}{423} = \frac{160}{141} = 1\frac{19}{141}$$

$$3. \quad \left(-4\frac{4}{11}\right) \div 4\frac{1}{12} = \left(-\frac{48}{11}\right) \div \frac{49}{12} = \left(-\frac{48}{11}\right) \times \frac{12}{49} = \left(-\frac{576}{539}\right) = \left(-1\frac{37}{539}\right)$$

$$4. \quad \left(-4\frac{1}{8}\right) \div \left(-1\frac{1}{9}\right) = \left(-\frac{33}{8}\right) \div \left(-\frac{10}{9}\right) = \left(-\frac{33}{8}\right) \times \left(-\frac{9}{10}\right) = \frac{297}{80} = 3\frac{57}{80}$$

$$5. \quad \left(-5\frac{5}{7}\right) \div \left(-5\frac{7}{8}\right) = \left(-\frac{40}{7}\right) \div \left(-\frac{47}{8}\right) = \left(-\frac{40}{7}\right) \times \left(-\frac{8}{47}\right) = \frac{320}{329}$$

$$6. \quad \left(-5\frac{2}{8}\right) \div 2\frac{5}{9} = \left(-\frac{42}{8}\right) \div \frac{23}{9} = \left(-\frac{42}{8}\right) \times \frac{9}{23} = \left(-\frac{378}{184}\right) = \left(-\frac{189}{92}\right) = \left(-2\frac{5}{92}\right)$$

$$7. \quad \left(-3\frac{1}{3}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{10}{3}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{10}{3}\right) \times \left(-\frac{2}{7}\right) = \frac{20}{21}$$

$$8. \quad \left(-2\frac{1}{6}\right) \div \left(-4\frac{2}{5}\right) = \left(-\frac{13}{6}\right) \div \left(-\frac{22}{5}\right) = \left(-\frac{13}{6}\right) \times \left(-\frac{5}{22}\right) = \frac{65}{132}$$

$$9. \quad \left(-2\frac{3}{12}\right) \div 5\frac{4}{5} = \left(-\frac{27}{12}\right) \div \frac{29}{5} = \left(-\frac{27}{12}\right) \times \frac{5}{29} = \left(-\frac{135}{348}\right) = \left(-\frac{45}{116}\right)$$

$$10. \quad \left(-1\frac{6}{9}\right) \div 4\frac{3}{5} = \left(-\frac{15}{9}\right) \div \frac{23}{5} = \left(-\frac{15}{9}\right) \times \frac{5}{23} = \left(-\frac{75}{207}\right) = \left(-\frac{25}{69}\right)$$