

## Diviser des fractions mixtes négatives (I)

Nom: \_\_\_\_\_

Date: \_\_\_\_\_

Note: \_\_\_\_\_

Calculez chaque quotient.

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

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

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

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

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

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

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

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

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

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

## Diviser des fractions mixtes négatives (I) Réponses

Nom: \_\_\_\_\_

Date: \_\_\_\_\_

Note: \_\_\_\_\_

Calculez chaque quotient.

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

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

$$3. \quad \left(-1\frac{5}{6}\right) \div \left(-5\frac{2}{5}\right) = \left(-\frac{11}{6}\right) \div \left(-\frac{27}{5}\right) = \left(-\frac{11}{6}\right) \times \left(-\frac{5}{27}\right) = \frac{55}{162}$$

$$4. \quad 3\frac{5}{6} \div \left(-3\frac{3}{5}\right) = \frac{23}{6} \div \left(-\frac{18}{5}\right) = \frac{23}{6} \times \left(-\frac{5}{18}\right) = \left(-\frac{115}{108}\right) = \left(-1\frac{7}{108}\right)$$

$$5. \quad \left(-2\frac{1}{2}\right) \div \left(-1\frac{4}{5}\right) = \left(-\frac{5}{2}\right) \div \left(-\frac{9}{5}\right) = \left(-\frac{5}{2}\right) \times \left(-\frac{5}{9}\right) = \frac{25}{18} = 1\frac{7}{18}$$

$$6. \quad \left(-2\frac{1}{5}\right) \div \left(-4\frac{1}{3}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{13}{3}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{3}{13}\right) = \frac{33}{65}$$

$$7. \quad \left(-5\frac{1}{2}\right) \div \left(-4\frac{1}{5}\right) = \left(-\frac{11}{2}\right) \div \left(-\frac{21}{5}\right) = \left(-\frac{11}{2}\right) \times \left(-\frac{5}{21}\right) = \frac{55}{42} = 1\frac{13}{42}$$

$$8. \quad 5\frac{4}{5} \div \left(-5\frac{5}{6}\right) = \frac{29}{5} \div \left(-\frac{35}{6}\right) = \frac{29}{5} \times \left(-\frac{6}{35}\right) = \left(-\frac{174}{175}\right)$$

$$9. \quad \left(-2\frac{1}{2}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{5}{2}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{5}{2}\right) \times \left(-\frac{3}{7}\right) = \frac{15}{14} = 1\frac{1}{14}$$

$$10. \quad \left(-3\frac{3}{5}\right) \div 3\frac{5}{6} = \left(-\frac{18}{5}\right) \div \frac{23}{6} = \left(-\frac{18}{5}\right) \times \frac{6}{23} = \left(-\frac{108}{115}\right)$$