

Diviser des fractions mixtes négatives (C)

Nom: _____

Date: _____

Note: _____

Calculez chaque quotient.

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

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

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

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

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

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

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

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

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

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

Diviser des fractions mixtes négatives (C) Réponses

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Calculez chaque quotient.

$$1. \quad \left(-3\frac{1}{4}\right) \div \frac{2}{3} = \left(-\frac{13}{4}\right) \div \frac{2}{3} = \left(-\frac{13}{4}\right) \times \frac{3}{2} = \left(-\frac{39}{8}\right) = \left(-4\frac{7}{8}\right)$$

$$2. \quad \left(-4\frac{1}{2}\right) \div \left(-3\frac{4}{5}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{19}{5}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{5}{19}\right) = \frac{45}{38} = 1\frac{7}{38}$$

$$3. \quad \left(-3\frac{2}{3}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{2}{5}\right) = \frac{22}{15} = 1\frac{7}{15}$$

$$4. \quad \left(-5\frac{1}{2}\right) \div 2\frac{2}{3} = \left(-\frac{11}{2}\right) \div \frac{8}{3} = \left(-\frac{11}{2}\right) \times \frac{3}{8} = \left(-\frac{33}{16}\right) = \left(-2\frac{1}{16}\right)$$

$$5. \quad \frac{3}{5} \div \left(-4\frac{4}{6}\right) = \frac{3}{5} \div \left(-\frac{28}{6}\right) = \frac{3}{5} \times \left(-\frac{6}{28}\right) = \left(-\frac{18}{140}\right) = \left(-\frac{9}{70}\right)$$

$$6. \quad 3\frac{2}{5} \div \left(-1\frac{1}{6}\right) = \frac{17}{5} \div \left(-\frac{7}{6}\right) = \frac{17}{5} \times \left(-\frac{6}{7}\right) = \left(-\frac{102}{35}\right) = \left(-2\frac{32}{35}\right)$$

$$7. \quad \left(-2\frac{1}{2}\right) \div \left(-5\frac{1}{5}\right) = \left(-\frac{5}{2}\right) \div \left(-\frac{26}{5}\right) = \left(-\frac{5}{2}\right) \times \left(-\frac{5}{26}\right) = \frac{25}{52}$$

$$8. \quad \left(-2\frac{3}{4}\right) \div \left(-2\frac{2}{3}\right) = \left(-\frac{11}{4}\right) \div \left(-\frac{8}{3}\right) = \left(-\frac{11}{4}\right) \times \left(-\frac{3}{8}\right) = \frac{33}{32} = 1\frac{1}{32}$$

$$9. \quad \left(-3\frac{1}{6}\right) \div 1\frac{2}{5} = \left(-\frac{19}{6}\right) \div \frac{7}{5} = \left(-\frac{19}{6}\right) \times \frac{5}{7} = \left(-\frac{95}{42}\right) = \left(-2\frac{11}{42}\right)$$

$$10. \quad \left(-3\frac{2}{3}\right) \div 1\frac{4}{5} = \left(-\frac{11}{3}\right) \div \frac{9}{5} = \left(-\frac{11}{3}\right) \times \frac{5}{9} = \left(-\frac{55}{27}\right) = \left(-2\frac{1}{27}\right)$$