

Dividing Negative Mixed Fractions (C)

Name: _____

Date: _____

Score: _____

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

Dividing Negative Mixed Fractions (C) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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