

Dividing Negative Mixed Fractions (G)

Name: _____

Date: _____

Score: _____

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

Dividing Negative Mixed Fractions (G) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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