

Dividing Negative Mixed Fractions (B)

Name: _____

Date: _____

Score: _____

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

Dividing Negative Mixed Fractions (B) Answers

Name: _____

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Calculate each quotient.

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

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

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

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

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

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

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

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

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

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