Dividing Negative Mixed Fractions (E)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

Dividing Negative Mixed Fractions (E) Answers

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\left(-3\frac{4}{6}\right) \div \left(-3\frac{4}{5}\right) = \left(-\frac{22}{6}\right) \div \left(-\frac{19}{5}\right) = \left(-\frac{22}{6}\right) \times \left(-\frac{5}{19}\right) = \frac{110}{114} = \frac{55}{57}$

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

3. $\left(-2\frac{3}{5}\right) \div \left(-3\frac{4}{6}\right) = \left(-\frac{13}{5}\right) \div \left(-\frac{22}{6}\right) = \left(-\frac{13}{5}\right) \times \left(-\frac{6}{22}\right) = \frac{78}{110} = \frac{39}{55}$

4. $\left(-2\frac{1}{4}\right) \div 3\frac{2}{3} = \left(-\frac{9}{4}\right) \div \frac{11}{3} = \left(-\frac{9}{4}\right) \times \frac{3}{11} = \left(-\frac{27}{44}\right)$

5. $\left(-1\frac{1}{2}\right) \div \left(-4\frac{2}{3}\right) = \left(-\frac{3}{2}\right) \div \left(-\frac{14}{3}\right) = \left(-\frac{3}{2}\right) \times \left(-\frac{3}{14}\right) = \frac{9}{28}$

6. $\left(-3\frac{5}{6}\right) \div \left(-3\frac{1}{5}\right) = \left(-\frac{23}{6}\right) \div \left(-\frac{16}{5}\right) = \left(-\frac{23}{6}\right) \times \left(-\frac{5}{16}\right) = \frac{115}{96} = 1\frac{19}{96}$

7. $\left(-2\frac{3}{5}\right) \div \left(-5\frac{1}{4}\right) = \left(-\frac{13}{5}\right) \div \left(-\frac{21}{4}\right) = \left(-\frac{13}{5}\right) \times \left(-\frac{4}{21}\right) = \frac{52}{105}$

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

9. $\left(-3\frac{4}{6}\right) \div \left(-5\frac{4}{5}\right) = \left(-\frac{22}{6}\right) \div \left(-\frac{29}{5}\right) = \left(-\frac{22}{6}\right) \times \left(-\frac{5}{29}\right) = \frac{110}{174} = \frac{55}{87}$

10. $\left(-1\frac{2}{3}\right) \div \left(-3\frac{1}{5}\right) = \left(-\frac{5}{3}\right) \div \left(-\frac{16}{5}\right) = \left(-\frac{5}{3}\right) \times \left(-\frac{5}{16}\right) = \frac{25}{48}$