Dividing Negative Mixed Fractions (C)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

2. $2\frac{2}{5} \div \left(-4\frac{1}{6}\right)$ = ___ ÷ ___ = ___ × ___ = ___

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

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

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

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

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

8. $\left(-3\frac{5}{6}\right) \div \left(-3\frac{2}{5}\right)$ = ___ ÷ ___ = ___ × ___ = ___ = ___

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

10. $\frac{2}{5} \div \left(-2\frac{5}{6}\right)$ = ___ ÷ ___ = ___ × ___ = ___

Dividing Negative Mixed Fractions (C) Answers

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\left(-4\frac{2}{3}\right) \div 2\frac{3}{4} = \left(-\frac{14}{3}\right) \div \frac{11}{4} = \left(-\frac{14}{3}\right) \times \frac{4}{11} = \left(-\frac{56}{33}\right) = \left(-2\frac{23}{33}\right)$

2. $2\frac{2}{5} \div \left(-4\frac{1}{6}\right) = \frac{12}{5} \div \left(-\frac{25}{6}\right) = \frac{12}{5} \times \left(-\frac{6}{25}\right) = \left(-\frac{72}{125}\right)$

3. $\left(-2\frac{2}{3}\right) \div 3\frac{1}{2} = \left(-\frac{8}{3}\right) \div \frac{7}{2} = \left(-\frac{8}{3}\right) \times \frac{2}{7} = \left(-\frac{16}{21}\right)$

4. $2\frac{2}{3} \div \left(-2\frac{1}{2}\right) = \frac{8}{3} \div \left(-\frac{5}{2}\right) = \frac{8}{3} \times \left(-\frac{2}{5}\right) = \left(-\frac{16}{15}\right) = \left(-2\frac{1}{15}\right)$

5. $\left(-3\frac{1}{2}\right) \div \left(-4\frac{4}{5}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{24}{5}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{5}{24}\right) = \frac{35}{48}$

6. $\frac{1}{4} \div \left(-2\frac{1}{3}\right) = \frac{1}{4} \div \left(-\frac{7}{3}\right) = \frac{1}{4} \times \left(-\frac{3}{7}\right) = \left(-\frac{3}{28}\right)$

7. $\left(-1\frac{1}{6}\right) \div \left(-4\frac{3}{5}\right) = \left(-\frac{7}{6}\right) \div \left(-\frac{23}{5}\right) = \left(-\frac{7}{6}\right) \times \left(-\frac{5}{23}\right) = \frac{35}{138}$

8. $\left(-3\frac{5}{6}\right) \div \left(-3\frac{2}{5}\right) = \left(-\frac{23}{6}\right) \div \left(-\frac{17}{5}\right) = \left(-\frac{23}{6}\right) \times \left(-\frac{5}{17}\right) = \frac{115}{102} = 1\frac{13}{102}$

9. $\left(-2\frac{1}{2}\right) \div \frac{2}{3} = \left(-\frac{5}{2}\right) \div \frac{2}{3} = \left(-\frac{5}{2}\right) \times \frac{3}{2} = \left(-\frac{15}{4}\right) = \left(-4\frac{3}{4}\right)$

10. $\frac{2}{5} \div \left(-2\frac{5}{6}\right) = \frac{2}{5} \div \left(-\frac{17}{6}\right) = \frac{2}{5} \times \left(-\frac{6}{17}\right) = \left(-\frac{12}{85}\right)$