Dividing Negative Mixed Fractions (D)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

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

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

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

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

6. $\left(-4\frac{2}{7}\right) \div \left(-3\frac{2}{9}\right) = \frac{\quad}{\quad} \div \frac{\quad}{\quad} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad} = \quad \frac{\quad}{\quad}$

7. $\left(-2\frac{11}{12}\right) \div \left(-1\frac{4}{5}\right) = \frac{\quad}{\quad} \div \frac{\quad}{\quad} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad} = \quad \frac{\quad}{\quad}$

8. $\left(-1\frac{5}{8}\right) \div \left(-4\frac{5}{11}\right) = \frac{\quad}{\quad} \div \frac{\quad}{\quad} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

10. $\left(-3\frac{3}{4}\right) \div \left(-3\frac{4}{9}\right) = \frac{\quad}{\quad} \div \frac{\quad}{\quad} = \frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad} = \quad \frac{\quad}{\quad}$

Dividing Negative Mixed Fractions (D) Answers

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\left(-3\frac{3}{4}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{15}{4}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{15}{4}\right) \times \left(-\frac{3}{7}\right) = \frac{45}{28} = 1\frac{17}{28}$

2. $\left(-1\frac{4}{5}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{9}{5}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{9}{5}\right) \times \left(-\frac{3}{11}\right) = \frac{27}{55}$

3. $\left(-4\frac{2}{3}\right) \div \left(-3\frac{1}{4}\right) = \left(-\frac{14}{3}\right) \div \left(-\frac{13}{4}\right) = \left(-\frac{14}{3}\right) \times \left(-\frac{4}{13}\right) = \frac{56}{39} = 1\frac{17}{39}$

4. $3\frac{2}{3} \div \left(-2\frac{1}{4}\right) = \frac{11}{3} \div \left(-\frac{9}{4}\right) = \frac{11}{3} \times \left(-\frac{4}{9}\right) = \left(-\frac{44}{27}\right) = \left(-2\frac{17}{27}\right)$

5. $\left(-3\frac{1}{2}\right) \div 2\frac{7}{9} = \left(-\frac{7}{2}\right) \div \frac{25}{9} = \left(-\frac{7}{2}\right) \times \frac{9}{25} = \left(-\frac{63}{50}\right) = \left(-2\frac{13}{50}\right)$

6. $\left(-4\frac{2}{7}\right) \div \left(-3\frac{2}{9}\right) = \left(-\frac{30}{7}\right) \div \left(-\frac{29}{9}\right) = \left(-\frac{30}{7}\right) \times \left(-\frac{9}{29}\right) = \frac{270}{203} = 1\frac{67}{203}$

7. $\left(-2\frac{11}{12}\right) \div \left(-1\frac{4}{5}\right) = \left(-\frac{35}{12}\right) \div \left(-\frac{9}{5}\right) = \left(-\frac{35}{12}\right) \times \left(-\frac{5}{9}\right) = \frac{175}{108} = 1\frac{67}{108}$

8. $\left(-1\frac{5}{8}\right) \div \left(-4\frac{5}{11}\right) = \left(-\frac{13}{8}\right) \div \left(-\frac{49}{11}\right) = \left(-\frac{13}{8}\right) \times \left(-\frac{11}{49}\right) = \frac{143}{392}$

9. $1\frac{2}{3} \div \left(-2\frac{1}{4}\right) = \frac{5}{3} \div \left(-\frac{9}{4}\right) = \frac{5}{3} \times \left(-\frac{4}{9}\right) = \left(-\frac{20}{27}\right)$

10. $\left(-3\frac{3}{4}\right) \div \left(-3\frac{4}{9}\right) = \left(-\frac{15}{4}\right) \div \left(-\frac{31}{9}\right) = \left(-\frac{15}{4}\right) \times \left(-\frac{9}{31}\right) = \frac{135}{124} = 1\frac{11}{124}$