Dividing Negative Mixed Fractions (E)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $3\dfrac{8}{11} \div \left(-2\dfrac{1}{4}\right)$ = — ÷ — = — × — = — = —

2. $3\dfrac{1}{4} \div \left(-2\dfrac{6}{7}\right)$ = — ÷ — = — × — = — = —

3. $\left(-2\dfrac{1}{12}\right) \div 2\dfrac{2}{5}$ = — ÷ — = — × — = —

4. $1\dfrac{3}{10} \div \left(-4\dfrac{8}{9}\right)$ = — ÷ — = — × — = —

5. $\left(-2\dfrac{1}{4}\right) \div \dfrac{7}{9}$ = — ÷ — = — × — = — = —

6. $\left(-2\dfrac{2}{5}\right) \div \left(-2\dfrac{1}{3}\right)$ = — ÷ — = — × — = — = —

7. $\left(-2\dfrac{1}{5}\right) \div \left(-4\dfrac{1}{6}\right)$ = — ÷ — = — × — = —

8. $3\dfrac{1}{4} \div \left(-3\dfrac{1}{7}\right)$ = — ÷ — = — × — = — = —

9. $2\dfrac{2}{5} \div \left(-4\dfrac{3}{4}\right)$ = — ÷ — = — × — = —

10. $\left(-2\dfrac{8}{9}\right) \div 1\dfrac{1}{2}$ = — ÷ — = — × — = — = —

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Dividing Negative Mixed Fractions (E) Answers

Name: _____   Date: _____   Score: _____

Calculate each quotient.

1. $3\frac{8}{11} \div \left(-2\frac{1}{4}\right) = \frac{41}{11} \div \left(-\frac{9}{4}\right) = \frac{41}{11} \times \left(-\frac{4}{9}\right) = \left(-\frac{164}{99}\right) = \left(-2\frac{65}{99}\right)$

2. $3\frac{1}{4} \div \left(-2\frac{6}{7}\right) = \frac{13}{4} \div \left(-\frac{20}{7}\right) = \frac{13}{4} \times \left(-\frac{7}{20}\right) = \left(-\frac{91}{80}\right) = \left(-2\frac{11}{80}\right)$

3. $\left(-2\frac{1}{12}\right) \div 2\frac{2}{5} = \left(-\frac{25}{12}\right) \div \frac{12}{5} = \left(-\frac{25}{12}\right) \times \frac{5}{12} = \left(-\frac{125}{144}\right)$

4. $1\frac{3}{10} \div \left(-4\frac{8}{9}\right) = \frac{13}{10} \div \left(-\frac{44}{9}\right) = \frac{13}{10} \times \left(-\frac{9}{44}\right) = \left(-\frac{117}{440}\right)$

5. $\left(-2\frac{1}{4}\right) \div \frac{7}{9} = \left(-\frac{9}{4}\right) \div \frac{7}{9} = \left(-\frac{9}{4}\right) \times \frac{9}{7} = \left(-\frac{81}{28}\right) = \left(-3\frac{25}{28}\right)$

6. $\left(-2\frac{2}{5}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{12}{5}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{12}{5}\right) \times \left(-\frac{3}{7}\right) = \frac{36}{35} = 1\frac{1}{35}$

7. $\left(-2\frac{1}{5}\right) \div \left(-4\frac{1}{6}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{25}{6}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{6}{25}\right) = \frac{66}{125}$

8. $3\frac{1}{4} \div \left(-3\frac{1}{7}\right) = \frac{13}{4} \div \left(-\frac{22}{7}\right) = \frac{13}{4} \times \left(-\frac{7}{22}\right) = \left(-\frac{91}{88}\right) = \left(-2\frac{3}{88}\right)$

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

10. $\left(-2\frac{8}{9}\right) \div 1\frac{1}{2} = \left(-\frac{26}{9}\right) \div \frac{3}{2} = \left(-\frac{26}{9}\right) \times \frac{2}{3} = \left(-\frac{52}{27}\right) = \left(-2\frac{25}{27}\right)$