Dividing Negative Mixed Fractions (E)

Name: _____   Date: _____   Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

Dividing Negative Mixed Fractions (E) Answers

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\left(-4\frac{5}{6}\right) \div \left(-3\frac{1}{5}\right) = \left(-\frac{29}{6}\right) \div \left(-\frac{16}{5}\right) = \left(-\frac{29}{6}\right) \times \left(-\frac{5}{16}\right) = \frac{145}{96} = 1\frac{49}{96}$

2. $\left(-4\frac{1}{3}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{2}{3}\right) = \frac{26}{9} = 2\frac{8}{9}$

3. $\left(-2\frac{3}{5}\right) \div \left(-4\frac{2}{3}\right) = \left(-\frac{13}{5}\right) \div \left(-\frac{14}{3}\right) = \left(-\frac{13}{5}\right) \times \left(-\frac{3}{14}\right) = \frac{39}{70}$

4. $\left(-2\frac{3}{4}\right) \div \left(-1\frac{1}{3}\right) = \left(-\frac{11}{4}\right) \div \left(-\frac{4}{3}\right) = \left(-\frac{11}{4}\right) \times \left(-\frac{3}{4}\right) = \frac{33}{16} = 2\frac{1}{16}$

5. $\left(-3\frac{3}{5}\right) \div 3\frac{2}{3} = \left(-\frac{18}{5}\right) \div \frac{11}{3} = \left(-\frac{18}{5}\right) \times \frac{3}{11} = \left(-\frac{54}{55}\right)$

6. $\left(-3\frac{4}{5}\right) \div 3\frac{1}{2} = \left(-\frac{19}{5}\right) \div \frac{7}{2} = \left(-\frac{19}{5}\right) \times \frac{2}{7} = \left(-\frac{38}{35}\right) = \left(-2\frac{3}{35}\right)$

7. $2\frac{3}{5} \div \left(-3\frac{1}{2}\right) = \frac{13}{5} \div \left(-\frac{7}{2}\right) = \frac{13}{5} \times \left(-\frac{2}{7}\right) = \left(-\frac{26}{35}\right)$

8. $\left(-4\frac{1}{3}\right) \div \left(-2\frac{2}{5}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{12}{5}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{5}{12}\right) = \frac{65}{36} = 1\frac{29}{36}$

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

10. $3\frac{1}{2} \div \left(-2\frac{2}{3}\right) = \frac{7}{2} \div \left(-\frac{8}{3}\right) = \frac{7}{2} \times \left(-\frac{3}{8}\right) = \left(-\frac{21}{16}\right) = \left(-2\frac{5}{16}\right)$

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