Dividing Negative Mixed Fractions (H)

Name: _____   Date: _____   Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

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Dividing Negative Mixed Fractions (H) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-3\frac{4}{5}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{19}{5}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{19}{5}\right) \times \left(-\frac{2}{3}\right) = \frac{38}{15} = 2\frac{8}{15}$

2. $\left(-1\frac{2}{5}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{7}{5}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{7}{5}\right) \times \left(-\frac{2}{5}\right) = \frac{14}{25}$

3. $\left(-4\frac{1}{6}\right) \div 3\frac{4}{5} = \left(-\frac{25}{6}\right) \div \frac{19}{5} = \left(-\frac{25}{6}\right) \times \frac{5}{19} = \left(-\frac{125}{114}\right) = \left(-2\frac{11}{114}\right)$

4. $\left(-3\frac{2}{3}\right) \div \left(-4\frac{1}{5}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{21}{5}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{5}{21}\right) = \frac{55}{63}$

5. $\frac{4}{5} \div \left(-3\frac{2}{3}\right) = \frac{4}{5} \div \left(-\frac{11}{3}\right) = \frac{4}{5} \times \left(-\frac{3}{11}\right) = \left(-\frac{12}{55}\right)$

6. $\left(-3\frac{1}{3}\right) \div 1\frac{1}{2} = \left(-\frac{10}{3}\right) \div \frac{3}{2} = \left(-\frac{10}{3}\right) \times \frac{2}{3} = \left(-\frac{20}{9}\right) = \left(-3\frac{2}{9}\right)$

7. $3\frac{1}{2} \div \left(-3\frac{1}{3}\right) = \frac{7}{2} \div \left(-\frac{10}{3}\right) = \frac{7}{2} \times \left(-\frac{3}{10}\right) = \left(-\frac{21}{20}\right) = \left(-2\frac{1}{20}\right)$

8. $2\frac{1}{2} \div \left(-3\frac{2}{5}\right) = \frac{5}{2} \div \left(-\frac{17}{5}\right) = \frac{5}{2} \times \left(-\frac{5}{17}\right) = \left(-\frac{25}{34}\right)$

9. $\left(-2\frac{1}{2}\right) \div 2\frac{1}{3} = \left(-\frac{5}{2}\right) \div \frac{7}{3} = \left(-\frac{5}{2}\right) \times \frac{3}{7} = \left(-\frac{15}{14}\right) = \left(-2\frac{1}{14}\right)$

10. $\left(-2\frac{2}{5}\right) \div 1\frac{1}{6} = \left(-\frac{12}{5}\right) \div \frac{7}{6} = \left(-\frac{12}{5}\right) \times \frac{6}{7} = \left(-\frac{72}{35}\right) = \left(-3\frac{2}{35}\right)$