Dividing Negative Mixed Fractions (I)

Name: _____   Date: _____   Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

10. $3\dfrac{4}{5} \div \left(-3\dfrac{3}{4}\right)$ = — ÷ — = — × — = — =   —

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Dividing Negative Mixed Fractions (I) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-3\frac{1}{4}\right) \div 1\frac{3}{5} = \left(-\frac{13}{4}\right) \div \frac{8}{5} = \left(-\frac{13}{4}\right) \times \frac{5}{8} = \left(-\frac{65}{32}\right) = \left(-3\frac{1}{32}\right)$

2. $1\frac{1}{2} \div \left(-4\frac{3}{5}\right) = \frac{3}{2} \div \left(-\frac{23}{5}\right) = \frac{3}{2} \times \left(-\frac{5}{23}\right) = \left(-\frac{15}{46}\right)$

3. $1\frac{1}{5} \div \left(-3\frac{2}{3}\right) = \frac{6}{5} \div \left(-\frac{11}{3}\right) = \frac{6}{5} \times \left(-\frac{3}{11}\right) = \left(-\frac{18}{55}\right)$

4. $3\frac{1}{3} \div \left(-3\frac{2}{5}\right) = \frac{10}{3} \div \left(-\frac{17}{5}\right) = \frac{10}{3} \times \left(-\frac{5}{17}\right) = \left(-\frac{50}{51}\right)$

5. $\left(-1\frac{1}{5}\right) \div \left(-4\frac{3}{4}\right) = \left(-\frac{6}{5}\right) \div \left(-\frac{19}{4}\right) = \left(-\frac{6}{5}\right) \times \left(-\frac{4}{19}\right) = \frac{24}{95}$

6. $\left(-3\frac{1}{2}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{3}{11}\right) = \frac{21}{22}$

7. $\left(-4\frac{2}{3}\right) \div \left(-4\frac{3}{4}\right) = \left(-\frac{14}{3}\right) \div \left(-\frac{19}{4}\right) = \left(-\frac{14}{3}\right) \times \left(-\frac{4}{19}\right) = \frac{56}{57}$

8. $1\frac{1}{3} \div \left(-4\frac{1}{2}\right) = \frac{4}{3} \div \left(-\frac{9}{2}\right) = \frac{4}{3} \times \left(-\frac{2}{9}\right) = \left(-\frac{8}{27}\right)$

9. $\left(-4\frac{1}{2}\right) \div 2\frac{2}{3} = \left(-\frac{9}{2}\right) \div \frac{8}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{8} = \left(-\frac{27}{16}\right) = \left(-2\frac{11}{16}\right)$

10. $3\frac{4}{5} \div \left(-3\frac{3}{4}\right) = \frac{19}{5} \div \left(-\frac{15}{4}\right) = \frac{19}{5} \times \left(-\frac{4}{15}\right) = \left(-\frac{76}{75}\right) = \left(-2\frac{1}{75}\right)$