Dividing Negative Mixed Fractions (J)

Name: _____   Date: _____   Score: _____

Calculate each quotient.

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

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

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

4. $\frac{3}{5} \div \left(-3\frac{1}{12}\right)$ = —— $\div$ —— = —— $\times$ —— = ——

5. $\frac{3}{11} \div \left(-3\frac{1}{3}\right)$ = —— $\div$ —— = —— $\times$ —— = ——

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

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

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

9. $\left(-2\frac{3}{5}\right) \div \left(-3\frac{6}{7}\right)$ = —— $\div$ —— = —— $\times$ —— = ——

10. $3\frac{3}{11} \div \left(-4\frac{3}{4}\right)$ = —— $\div$ —— = —— $\times$ —— = ——

Dividing Negative Mixed Fractions (J) Answers

Name:	Date:	Score:
_____	_____	_____

Calculate each quotient.

1. $\left(-4\frac{1}{3}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{2}{7}\right) = \frac{26}{21} = 1\frac{5}{21}$

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

3. $3\frac{1}{9} \div \left(-2\frac{3}{4}\right) = \frac{28}{9} \div \left(-\frac{11}{4}\right) = \frac{28}{9} \times \left(-\frac{4}{11}\right) = \left(-\frac{112}{99}\right) = \left(-2\frac{13}{99}\right)$

4. $\frac{3}{5} \div \left(-3\frac{1}{12}\right) = \frac{3}{5} \div \left(-\frac{37}{12}\right) = \frac{3}{5} \times \left(-\frac{12}{37}\right) = \left(-\frac{36}{185}\right)$

5. $\frac{3}{11} \div \left(-3\frac{1}{3}\right) = \frac{3}{11} \div \left(-\frac{10}{3}\right) = \frac{3}{11} \times \left(-\frac{3}{10}\right) = \left(-\frac{9}{110}\right)$

6. $\left(-3\frac{5}{7}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{26}{7}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{26}{7}\right) \times \left(-\frac{2}{3}\right) = \frac{52}{21} = 2\frac{10}{21}$

7. $\left(-2\frac{1}{7}\right) \div \left(-3\frac{7}{9}\right) = \left(-\frac{15}{7}\right) \div \left(-\frac{34}{9}\right) = \left(-\frac{15}{7}\right) \times \left(-\frac{9}{34}\right) = \frac{135}{238}$

8. $\left(-4\frac{1}{2}\right) \div 2\frac{4}{5} = \left(-\frac{9}{2}\right) \div \frac{14}{5} = \left(-\frac{9}{2}\right) \times \frac{5}{14} = \left(-\frac{45}{28}\right) = \left(-2\frac{17}{28}\right)$

9. $\left(-2\frac{3}{5}\right) \div \left(-3\frac{6}{7}\right) = \left(-\frac{13}{5}\right) \div \left(-\frac{27}{7}\right) = \left(-\frac{13}{5}\right) \times \left(-\frac{7}{27}\right) = \frac{91}{135}$

10. $3\frac{3}{11} \div \left(-4\frac{3}{4}\right) = \frac{36}{11} \div \left(-\frac{19}{4}\right) = \frac{36}{11} \times \left(-\frac{4}{19}\right) = \left(-\frac{144}{209}\right)$