Dividing Negative Mixed Fractions (C)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

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

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

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

5. $3\frac{4}{11} \div \left(-2\frac{1}{2}\right)$ = — ÷ — = — × — = — = —

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

7. $\left(-2\frac{8}{9}\right) \div \left(-3\frac{7}{10}\right)$ = — ÷ — = — × — = —

8. $\left(-3\frac{6}{11}\right) \div \left(-2\frac{1}{2}\right)$ = — ÷ — = — × — = — = —

9. $\left(-4\frac{11}{12}\right) \div \left(-4\frac{5}{11}\right)$ = — ÷ — = — × — = — = —

10. $3\frac{2}{3} \div \left(-4\frac{1}{2}\right)$ = — ÷ — = — × — = —

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Dividing Negative Mixed Fractions (C) Answers

Name: _____   Date: _____   Score: _____

Calculate each quotient.

1. $\left(-4\frac{1}{2}\right) \div 1\frac{2}{3}$ $=$ $\left(-\frac{9}{2}\right) \div \frac{5}{3}$ $=$ $\left(-\frac{9}{2}\right) \times \frac{3}{5}$ $=$ $\left(-\frac{27}{10}\right) = \left(-3\frac{7}{10}\right)$

2. $2\frac{5}{7} \div \left(-3\frac{1}{2}\right)$ $=$ $\frac{19}{7} \div \left(-\frac{7}{2}\right)$ $=$ $\frac{19}{7} \times \left(-\frac{2}{7}\right)$ $=$ $\left(-\frac{38}{49}\right)$

3. $\left(-4\frac{1}{3}\right) \div \left(-3\frac{3}{4}\right)$ $=$ $\left(-\frac{13}{3}\right) \div \left(-\frac{15}{4}\right)$ $=$ $\left(-\frac{13}{3}\right) \times \left(-\frac{4}{15}\right)$ $=$ $\frac{52}{45}$ $=$ $1\frac{7}{45}$

4. $2\frac{2}{3} \div \left(-2\frac{3}{5}\right)$ $=$ $\frac{8}{3} \div \left(-\frac{13}{5}\right)$ $=$ $\frac{8}{3} \times \left(-\frac{5}{13}\right)$ $=$ $\left(-\frac{40}{39}\right) = \left(-2\frac{1}{39}\right)$

5. $3\frac{4}{11} \div \left(-2\frac{1}{2}\right)$ $=$ $\frac{37}{11} \div \left(-\frac{5}{2}\right)$ $=$ $\frac{37}{11} \times \left(-\frac{2}{5}\right)$ $=$ $\left(-\frac{74}{55}\right) = \left(-2\frac{19}{55}\right)$

6. $\left(-2\frac{3}{5}\right) \div \frac{5}{6}$ $=$ $\left(-\frac{13}{5}\right) \div \frac{5}{6}$ $=$ $\left(-\frac{13}{5}\right) \times \frac{6}{5}$ $=$ $\left(-\frac{78}{25}\right) = \left(-4\frac{3}{25}\right)$

7. $\left(-2\frac{8}{9}\right) \div \left(-3\frac{7}{10}\right)$ $=$ $\left(-\frac{26}{9}\right) \div \left(-\frac{37}{10}\right)$ $=$ $\left(-\frac{26}{9}\right) \times \left(-\frac{10}{37}\right)$ $=$ $\frac{260}{333}$

8. $\left(-3\frac{6}{11}\right) \div \left(-2\frac{1}{2}\right)$ $=$ $\left(-\frac{39}{11}\right) \div \left(-\frac{5}{2}\right)$ $=$ $\left(-\frac{39}{11}\right) \times \left(-\frac{2}{5}\right)$ $=$ $\frac{78}{55}$ $=$ $1\frac{23}{55}$

9. $\left(-4\frac{11}{12}\right) \div \left(-4\frac{5}{11}\right)$ $=$ $\left(-\frac{59}{12}\right) \div \left(-\frac{49}{11}\right)$ $=$ $\left(-\frac{59}{12}\right) \times \left(-\frac{11}{49}\right)$ $=$ $\frac{649}{588}$ $=$ $1\frac{61}{588}$

10. $3\frac{2}{3} \div \left(-4\frac{1}{2}\right)$ $=$ $\frac{11}{3} \div \left(-\frac{9}{2}\right)$ $=$ $\frac{11}{3} \times \left(-\frac{2}{9}\right)$ $=$ $\left(-\frac{22}{27}\right)$