# Dividing Negative Mixed Fractions (A)

Name: _____  Date: _____  Score: _____

## Calculate each quotient.

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

   Convert ↑    Inversion    Solve    Convert ↓

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

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

4. $\left(-4\frac{4}{7}\right) \div \left(-2\frac{1}{3}\right)$ = —— ÷ —— = —— × —— = —— = ——

5. $\left(-4\frac{5}{7}\right) \div \left(-3\frac{1}{6}\right)$ = —— ÷ —— = —— × —— = —— = ——

6. $2\frac{6}{7} \div \left(-3\frac{3}{10}\right)$ = —— ÷ —— = —— × —— = ——

7. $\left(-4\frac{1}{3}\right) \div 2\frac{9}{10}$ = —— ÷ —— = —— × —— = —— = ——

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

9. $\left(-2\frac{10}{11}\right) \div \left(-2\frac{1}{3}\right)$ = —— ÷ —— = —— × —— = —— = ——

10. $3\frac{4}{11} \div \left(-3\frac{1}{2}\right)$ = —— ÷ —— = —— × —— = ——

# Dividing Negative Mixed Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-4\frac{3}{11}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{47}{11}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{47}{11}\right) \times \left(-\frac{2}{7}\right) = \frac{94}{77} = 1\frac{17}{77}$

2. $\left(-2\frac{2}{7}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{16}{7}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{16}{7}\right) \times \left(-\frac{2}{5}\right) = \frac{32}{35}$

3. $\left(-3\frac{2}{3}\right) \div \left(-3\frac{3}{4}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{15}{4}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{4}{15}\right) = \frac{44}{45}$

4. $\left(-4\frac{4}{7}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{32}{7}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{32}{7}\right) \times \left(-\frac{3}{7}\right) = \frac{96}{49} = 1\frac{47}{49}$

5. $\left(-4\frac{5}{7}\right) \div \left(-3\frac{1}{6}\right) = \left(-\frac{33}{7}\right) \div \left(-\frac{19}{6}\right) = \left(-\frac{33}{7}\right) \times \left(-\frac{6}{19}\right) = \frac{198}{133} = 1\frac{65}{133}$

6. $2\frac{6}{7} \div \left(-3\frac{3}{10}\right) = \frac{20}{7} \div \left(-\frac{33}{10}\right) = \frac{20}{7} \times \left(-\frac{10}{33}\right) = \left(-\frac{200}{231}\right)$

7. $\left(-4\frac{1}{3}\right) \div 2\frac{9}{10} = \left(-\frac{13}{3}\right) \div \frac{29}{10} = \left(-\frac{13}{3}\right) \times \frac{10}{29} = \left(-\frac{130}{87}\right) = \left(-2\frac{43}{87}\right)$

8. $3\frac{1}{6} \div \left(-3\frac{6}{11}\right) = \frac{19}{6} \div \left(-\frac{39}{11}\right) = \frac{19}{6} \times \left(-\frac{11}{39}\right) = \left(-\frac{209}{234}\right)$

9. $\left(-2\frac{10}{11}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{32}{11}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{32}{11}\right) \times \left(-\frac{3}{7}\right) = \frac{96}{77} = 1\frac{19}{77}$

10. $3\frac{4}{11} \div \left(-3\frac{1}{2}\right) = \frac{37}{11} \div \left(-\frac{7}{2}\right) = \frac{37}{11} \times \left(-\frac{2}{7}\right) = \left(-\frac{74}{77}\right)$

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