

# Dividing Negative Mixed Fractions (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-2\frac{1}{2}\right) \div 1\frac{2}{5} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

$$2. \quad \left(-4\frac{1}{6}\right) \div 2\frac{3}{5} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

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

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

$$5. \quad \left(-1\frac{1}{2}\right) \div \left(-2\frac{1}{3}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$$

$$6. \quad \left(-4\frac{3}{5}\right) \div 1\frac{1}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

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

$$8. \quad 3\frac{3}{5} \div \left(-2\frac{1}{6}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

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

$$10. \quad \left(-4\frac{4}{5}\right) \div 3\frac{2}{3} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

# Dividing Negative Mixed Fractions (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-2\frac{1}{2}\right) \div 1\frac{2}{5} = \left(-\frac{5}{2}\right) \div \frac{7}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{7} = \left(-\frac{25}{14}\right) = \left(-2\frac{11}{14}\right)$$

$$2. \quad \left(-4\frac{1}{6}\right) \div 2\frac{3}{5} = \left(-\frac{25}{6}\right) \div \frac{13}{5} = \left(-\frac{25}{6}\right) \times \frac{5}{13} = \left(-\frac{125}{78}\right) = \left(-2\frac{47}{78}\right)$$

$$3. \quad \left(-4\frac{1}{2}\right) \div 3\frac{1}{3} = \left(-\frac{9}{2}\right) \div \frac{10}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{10} = \left(-\frac{27}{20}\right) = \left(-2\frac{7}{20}\right)$$

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

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

$$6. \quad \left(-4\frac{3}{5}\right) \div 1\frac{1}{2} = \left(-\frac{23}{5}\right) \div \frac{3}{2} = \left(-\frac{23}{5}\right) \times \frac{2}{3} = \left(-\frac{46}{15}\right) = \left(-4\frac{1}{15}\right)$$

$$7. \quad \left(-2\frac{1}{2}\right) \div 2\frac{3}{5} = \left(-\frac{5}{2}\right) \div \frac{13}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{13} = \left(-\frac{25}{26}\right)$$

$$8. \quad 3\frac{3}{5} \div \left(-2\frac{1}{6}\right) = \frac{18}{5} \div \left(-\frac{13}{6}\right) = \frac{18}{5} \times \left(-\frac{6}{13}\right) = \left(-\frac{108}{65}\right) = \left(-2\frac{43}{65}\right)$$

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

$$10. \quad \left(-4\frac{4}{5}\right) \div 3\frac{2}{3} = \left(-\frac{24}{5}\right) \div \frac{11}{3} = \left(-\frac{24}{5}\right) \times \frac{3}{11} = \left(-\frac{72}{55}\right) = \left(-2\frac{17}{55}\right)$$