

# Dividing Negative Mixed Fractions (A)

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

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

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

Calculate each quotient.

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

Convert ↑                      Inversion                      Solve                      Convert ↓

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

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

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

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

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

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

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

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

$$10. \quad 2\frac{2}{3} \div \left(-2\frac{1}{2}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

## Dividing Negative Mixed Fractions (A) Answers

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

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

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

Calculate each quotient.

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

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

$$3. \quad 3\frac{1}{5} \div \left(-2\frac{1}{2}\right) = \frac{16}{5} \div \left(-\frac{5}{2}\right) = \frac{16}{5} \times \left(-\frac{2}{5}\right) = \left(-\frac{32}{25}\right) = \left(-2\frac{7}{25}\right)$$

$$4. \quad \left(-4\frac{1}{2}\right) \div 2\frac{1}{3} = \left(-\frac{9}{2}\right) \div \frac{7}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{7} = \left(-\frac{27}{14}\right) = \left(-2\frac{13}{14}\right)$$

$$5. \quad \left(-3\frac{1}{2}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{3}{11}\right) = \frac{21}{22}$$

$$6. \quad \left(-3\frac{1}{3}\right) \div \frac{3}{4} = \left(-\frac{10}{3}\right) \div \frac{3}{4} = \left(-\frac{10}{3}\right) \times \frac{4}{3} = \left(-\frac{40}{9}\right) = \left(-5\frac{4}{9}\right)$$

$$7. \quad \left(-4\frac{1}{2}\right) \div 2\frac{2}{3} = \left(-\frac{9}{2}\right) \div \frac{8}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{8} = \left(-\frac{27}{16}\right) = \left(-2\frac{11}{16}\right)$$

$$8. \quad \left(-3\frac{1}{4}\right) \div \frac{2}{3} = \left(-\frac{13}{4}\right) \div \frac{2}{3} = \left(-\frac{13}{4}\right) \times \frac{3}{2} = \left(-\frac{39}{8}\right) = \left(-5\frac{7}{8}\right)$$

$$9. \quad 3\frac{3}{4} \div \left(-2\frac{4}{5}\right) = \frac{15}{4} \div \left(-\frac{14}{5}\right) = \frac{15}{4} \times \left(-\frac{5}{14}\right) = \left(-\frac{75}{56}\right) = \left(-2\frac{19}{56}\right)$$

$$10. \quad 2\frac{2}{3} \div \left(-2\frac{1}{2}\right) = \frac{8}{3} \div \left(-\frac{5}{2}\right) = \frac{8}{3} \times \left(-\frac{2}{5}\right) = \left(-\frac{16}{15}\right) = \left(-2\frac{1}{15}\right)$$