

## Dividing Negative Mixed Fractions (H)

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

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

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

Calculate each quotient.

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

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

3.  $\left(-2\frac{6}{7}\right) \div \left(-1\frac{4}{9}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

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

7.  $\left(-3\frac{3}{5}\right) \div \left(-4\frac{3}{4}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

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

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

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

## Dividing Negative Mixed Fractions (H) Answers

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

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

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

Calculate each quotient.

$$1. \left(-3\frac{2}{5}\right) \div \left(-1\frac{1}{7}\right) = \left(-\frac{17}{5}\right) \div \left(-\frac{8}{7}\right) = \left(-\frac{17}{5}\right) \times \left(-\frac{7}{8}\right) = \frac{119}{40} = 2\frac{39}{40}$$

$$2. \left(-3\frac{5}{9}\right) \div \left(-4\frac{1}{5}\right) = \left(-\frac{32}{9}\right) \div \left(-\frac{21}{5}\right) = \left(-\frac{32}{9}\right) \times \left(-\frac{5}{21}\right) = \frac{160}{189}$$

$$3. \left(-2\frac{6}{7}\right) \div \left(-1\frac{4}{9}\right) = \left(-\frac{20}{7}\right) \div \left(-\frac{13}{9}\right) = \left(-\frac{20}{7}\right) \times \left(-\frac{9}{13}\right) = \frac{180}{91} = 1\frac{89}{91}$$

$$4. 3\frac{1}{3} \div \left(-3\frac{1}{2}\right) = \frac{10}{3} \div \left(-\frac{7}{2}\right) = \frac{10}{3} \times \left(-\frac{2}{7}\right) = \left(-\frac{20}{21}\right)$$

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

$$6. \left(-3\frac{3}{7}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{24}{7}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{24}{7}\right) \times \left(-\frac{3}{7}\right) = \frac{72}{49} = 1\frac{23}{49}$$

$$7. \left(-3\frac{3}{5}\right) \div \left(-4\frac{3}{4}\right) = \left(-\frac{18}{5}\right) \div \left(-\frac{19}{4}\right) = \left(-\frac{18}{5}\right) \times \left(-\frac{4}{19}\right) = \frac{72}{95}$$

$$8. \left(-3\frac{3}{5}\right) \div \left(-2\frac{5}{6}\right) = \left(-\frac{18}{5}\right) \div \left(-\frac{17}{6}\right) = \left(-\frac{18}{5}\right) \times \left(-\frac{6}{17}\right) = \frac{108}{85} = 1\frac{23}{85}$$

$$9. \left(-1\frac{7}{9}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{16}{9}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{16}{9}\right) \times \left(-\frac{2}{7}\right) = \frac{32}{63}$$

$$10. \left(-4\frac{2}{3}\right) \div 2\frac{1}{2} = \left(-\frac{14}{3}\right) \div \frac{5}{2} = \left(-\frac{14}{3}\right) \times \frac{2}{5} = \left(-\frac{28}{15}\right) = \left(-2\frac{13}{15}\right)$$