

## Dividing Negative Mixed Fractions (A)

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

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

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

Calculate each quotient.

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

2.  $\left(-1\frac{2}{4}\right) \div 2\frac{1}{5} =$

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

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

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

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

7.  $\left(-5\frac{1}{6}\right) \div \left(-1\frac{2}{5}\right) =$

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

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

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

## Dividing Negative Mixed Fractions (A) Answers

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

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

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

Calculate each quotient.

$$1. \quad 1\frac{2}{3} \div \left(-4\frac{2}{4}\right) = \frac{5}{3} \div \left(-\frac{18}{4}\right) = \frac{5}{3} \times \left(-\frac{4}{18}\right) = \left(-\frac{20}{54}\right) = \left(-\frac{10}{27}\right)$$

$$2. \quad \left(-1\frac{2}{4}\right) \div 2\frac{1}{5} = \left(-\frac{6}{4}\right) \div \frac{11}{5} = \left(-\frac{6}{4}\right) \times \frac{5}{11} = \left(-\frac{30}{44}\right) = \left(-\frac{15}{22}\right)$$

$$3. \quad \left(-4\frac{2}{4}\right) \div 4\frac{3}{5} = \left(-\frac{18}{4}\right) \div \frac{23}{5} = \left(-\frac{18}{4}\right) \times \frac{5}{23} = \left(-\frac{90}{92}\right) = \left(-\frac{45}{46}\right)$$

$$4. \quad 2\frac{1}{3} \div \left(-3\frac{1}{5}\right) = \frac{7}{3} \div \left(-\frac{16}{5}\right) = \frac{7}{3} \times \left(-\frac{5}{16}\right) = \left(-\frac{35}{48}\right)$$

$$5. \quad \frac{3}{5} \div \left(-5\frac{3}{4}\right) = \frac{3}{5} \div \left(-\frac{23}{4}\right) = \frac{3}{5} \times \left(-\frac{4}{23}\right) = \left(-\frac{12}{115}\right)$$

$$6. \quad \left(-2\frac{2}{5}\right) \div \frac{1}{3} = \left(-\frac{12}{5}\right) \div \frac{1}{3} = \left(-\frac{12}{5}\right) \times \frac{3}{1} = \left(-\frac{36}{5}\right) = \left(-7\frac{1}{5}\right)$$

$$7. \quad \left(-5\frac{1}{6}\right) \div \left(-1\frac{2}{5}\right) = \left(-\frac{31}{6}\right) \div \left(-\frac{7}{5}\right) = \left(-\frac{31}{6}\right) \times \left(-\frac{5}{7}\right) = \frac{155}{42} = 3\frac{29}{42}$$

$$8. \quad \left(-3\frac{1}{3}\right) \div \left(-4\frac{1}{2}\right) = \left(-\frac{10}{3}\right) \div \left(-\frac{9}{2}\right) = \left(-\frac{10}{3}\right) \times \left(-\frac{2}{9}\right) = \frac{20}{27}$$

$$9. \quad 2\frac{1}{5} \div \left(-2\frac{2}{3}\right) = \frac{11}{5} \div \left(-\frac{8}{3}\right) = \frac{11}{5} \times \left(-\frac{3}{8}\right) = \left(-\frac{33}{40}\right)$$

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