

## Dividing Negative Mixed Fractions (B)

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

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

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

Calculate each quotient.

$$1. \left(-3\frac{7}{8}\right) \div \left(-1\frac{1}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

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

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

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

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

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

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

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

$$9. \left(-4\frac{1}{2}\right) \div \left(-4\frac{5}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

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

## Dividing Negative Mixed Fractions (B) Answers

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

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

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

Calculate each quotient.

$$1. \left(-3\frac{7}{8}\right) \div \left(-1\frac{1}{11}\right) = \left(-\frac{31}{8}\right) \div \left(-\frac{12}{11}\right) = \left(-\frac{31}{8}\right) \times \left(-\frac{11}{12}\right) = \frac{341}{96} = 3\frac{53}{96}$$

$$2. \left(-3\frac{1}{10}\right) \div \left(-3\frac{1}{9}\right) = \left(-\frac{31}{10}\right) \div \left(-\frac{28}{9}\right) = \left(-\frac{31}{10}\right) \times \left(-\frac{9}{28}\right) = \frac{279}{280}$$

$$3. \frac{3}{4} \div \left(-2\frac{2}{7}\right) = \frac{3}{4} \div \left(-\frac{16}{7}\right) = \frac{3}{4} \times \left(-\frac{7}{16}\right) = \left(-\frac{21}{64}\right)$$

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

$$5. \left(-2\frac{5}{9}\right) \div \left(-3\frac{1}{4}\right) = \left(-\frac{23}{9}\right) \div \left(-\frac{13}{4}\right) = \left(-\frac{23}{9}\right) \times \left(-\frac{4}{13}\right) = \frac{92}{117}$$

$$6. \left(-2\frac{1}{5}\right) \div \left(-1\frac{5}{7}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{12}{7}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{7}{12}\right) = \frac{77}{60} = 1\frac{17}{60}$$

$$7. \left(-2\frac{1}{5}\right) \div \left(-4\frac{1}{2}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{9}{2}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{2}{9}\right) = \frac{22}{45}$$

$$8. 2\frac{3}{7} \div \left(-4\frac{1}{5}\right) = \frac{17}{7} \div \left(-\frac{21}{5}\right) = \frac{17}{7} \times \left(-\frac{5}{21}\right) = \left(-\frac{85}{147}\right)$$

$$9. \left(-4\frac{1}{2}\right) \div \left(-4\frac{5}{11}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{49}{11}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{11}{49}\right) = \frac{99}{98} = 1\frac{1}{98}$$

$$10. 1\frac{2}{3} \div \left(-3\frac{1}{2}\right) = \frac{5}{3} \div \left(-\frac{7}{2}\right) = \frac{5}{3} \times \left(-\frac{2}{7}\right) = \left(-\frac{10}{21}\right)$$