

Dividing Negative Mixed Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

5. $\left(-1\frac{1}{6}\right) \div 4\frac{3}{11} =$

6. $\frac{5}{11} \div \left(-5\frac{2}{6}\right) =$

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

8. $\left(-3\frac{1}{6}\right) \div \frac{9}{11} =$

9. $\frac{4}{5} \div \left(-5\frac{5}{6}\right) =$

10. $4\frac{3}{5} \div \left(-3\frac{8}{12}\right) =$

Dividing Negative Mixed Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad \left(-1\frac{5}{6}\right) \div \frac{5}{7} = \left(-\frac{11}{6}\right) \div \frac{5}{7} = \left(-\frac{11}{6}\right) \times \frac{7}{5} = \left(-\frac{77}{30}\right) = \left(-2\frac{17}{30}\right)$$

$$2. \quad 3\frac{2}{3} \div \left(-4\frac{1}{2}\right) = \frac{11}{3} \div \left(-\frac{9}{2}\right) = \frac{11}{3} \times \left(-\frac{2}{9}\right) = \left(-\frac{22}{27}\right)$$

$$3. \quad 4\frac{1}{7} \div \left(-1\frac{3}{10}\right) = \frac{29}{7} \div \left(-\frac{13}{10}\right) = \frac{29}{7} \times \left(-\frac{10}{13}\right) = \left(-\frac{290}{91}\right) = \left(-3\frac{17}{91}\right)$$

$$4. \quad \left(-5\frac{1}{5}\right) \div \left(-4\frac{1}{4}\right) = \left(-\frac{26}{5}\right) \div \left(-\frac{17}{4}\right) = \left(-\frac{26}{5}\right) \times \left(-\frac{4}{17}\right) = \frac{104}{85} = 1\frac{19}{85}$$

$$5. \quad \left(-1\frac{1}{6}\right) \div 4\frac{3}{11} = \left(-\frac{7}{6}\right) \div \frac{47}{11} = \left(-\frac{7}{6}\right) \times \frac{11}{47} = \left(-\frac{77}{282}\right)$$

$$6. \quad \frac{5}{11} \div \left(-5\frac{2}{6}\right) = \frac{5}{11} \div \left(-\frac{32}{6}\right) = \frac{5}{11} \times \left(-\frac{6}{32}\right) = \left(-\frac{30}{352}\right) = \left(-\frac{15}{176}\right)$$

$$7. \quad \frac{1}{2} \div \left(-5\frac{2}{5}\right) = \frac{1}{2} \div \left(-\frac{27}{5}\right) = \frac{1}{2} \times \left(-\frac{5}{27}\right) = \left(-\frac{5}{54}\right)$$

$$8. \quad \left(-3\frac{1}{6}\right) \div \frac{9}{11} = \left(-\frac{19}{6}\right) \div \frac{9}{11} = \left(-\frac{19}{6}\right) \times \frac{11}{9} = \left(-\frac{209}{54}\right) = \left(-3\frac{47}{54}\right)$$

$$9. \quad \frac{4}{5} \div \left(-5\frac{5}{6}\right) = \frac{4}{5} \div \left(-\frac{35}{6}\right) = \frac{4}{5} \times \left(-\frac{6}{35}\right) = \left(-\frac{24}{175}\right)$$

$$10. \quad 4\frac{3}{5} \div \left(-3\frac{8}{12}\right) = \frac{23}{5} \div \left(-\frac{44}{12}\right) = \frac{23}{5} \times \left(-\frac{12}{44}\right) = \left(-\frac{276}{220}\right) = \left(-\frac{69}{55}\right) = \left(-1\frac{14}{55}\right)$$