

Dividing Negative Mixed Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

2. $\left(-1\frac{6}{9}\right) \div 3\frac{1}{2} =$

3. $1\frac{3}{8} \div \left(-3\frac{1}{5}\right) =$

4. $\left(-4\frac{2}{11}\right) \div \left(-2\frac{1}{3}\right) =$

5. $\frac{8}{9} \div \left(-1\frac{1}{2}\right) =$

6. $\left(-3\frac{2}{7}\right) \div \left(-3\frac{6}{12}\right) =$

7. $\left(-5\frac{2}{11}\right) \div 3\frac{5}{7} =$

8. $\left(-5\frac{7}{9}\right) \div \left(-3\frac{1}{2}\right) =$

9. $\left(-5\frac{4}{11}\right) \div \left(-1\frac{10}{12}\right) =$

10. $\left(-1\frac{9}{12}\right) \div 5\frac{4}{5} =$

Dividing Negative Mixed Fractions (E) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-3\frac{5}{8}\right) \div \left(-1\frac{4}{7}\right) = \left(-\frac{29}{8}\right) \div \left(-\frac{11}{7}\right) = \left(-\frac{29}{8}\right) \times \left(-\frac{7}{11}\right) = \frac{203}{88} = 2\frac{27}{88}$
2. $\left(-1\frac{6}{9}\right) \div 3\frac{1}{2} = \left(-\frac{15}{9}\right) \div \frac{7}{2} = \left(-\frac{15}{9}\right) \times \frac{2}{7} = \left(-\frac{30}{63}\right) = \left(-\frac{10}{21}\right)$
3. $1\frac{3}{8} \div \left(-3\frac{1}{5}\right) = \frac{11}{8} \div \left(-\frac{16}{5}\right) = \frac{11}{8} \times \left(-\frac{5}{16}\right) = \left(-\frac{55}{128}\right)$
4. $\left(-4\frac{2}{11}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{46}{11}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{46}{11}\right) \times \left(-\frac{3}{7}\right) = \frac{138}{77} = 1\frac{61}{77}$
5. $\frac{8}{9} \div \left(-1\frac{1}{2}\right) = \frac{8}{9} \div \left(-\frac{3}{2}\right) = \frac{8}{9} \times \left(-\frac{2}{3}\right) = \left(-\frac{16}{27}\right)$
6. $\left(-3\frac{2}{7}\right) \div \left(-3\frac{6}{12}\right) = \left(-\frac{23}{7}\right) \div \left(-\frac{42}{12}\right) = \left(-\frac{23}{7}\right) \times \left(-\frac{12}{42}\right) = \frac{276}{294} = \frac{46}{49}$
7. $\left(-5\frac{2}{11}\right) \div 3\frac{5}{7} = \left(-\frac{57}{11}\right) \div \frac{26}{7} = \left(-\frac{57}{11}\right) \times \frac{7}{26} = \left(-\frac{399}{286}\right) = \left(-1\frac{113}{286}\right)$
8. $\left(-5\frac{7}{9}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{52}{9}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{52}{9}\right) \times \left(-\frac{2}{7}\right) = \frac{104}{63} = 1\frac{41}{63}$
9. $\left(-5\frac{4}{11}\right) \div \left(-1\frac{10}{12}\right) = \left(-\frac{59}{11}\right) \div \left(-\frac{22}{12}\right) = \left(-\frac{59}{11}\right) \times \left(-\frac{12}{22}\right) = \frac{708}{242} = \frac{354}{121} = 2\frac{112}{121}$
10. $\left(-1\frac{9}{12}\right) \div 5\frac{4}{5} = \left(-\frac{21}{12}\right) \div \frac{29}{5} = \left(-\frac{21}{12}\right) \times \frac{5}{29} = \left(-\frac{105}{348}\right) = \left(-\frac{35}{116}\right)$