Dividing Negative Mixed Fractions (B)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

2. $\left(-5\frac{2}{6}\right) \div 1\frac{4}{5} =$

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

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

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

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

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

8. $1\frac{2}{5} \div \left(-5\frac{2}{4}\right) =$

9. $2\frac{4}{5} \div \left(-3\frac{5}{6}\right) =$

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

Dividing Negative Mixed Fractions (B) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-3\frac{3}{5}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{18}{5}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{18}{5}\right) \times \left(-\frac{3}{7}\right) = \frac{54}{35} = 1\frac{19}{35}$

2. $\left(-5\frac{2}{6}\right) \div 1\frac{4}{5} = \left(-\frac{32}{6}\right) \div \frac{9}{5} = \left(-\frac{32}{6}\right) \times \frac{5}{9} = \left(-\frac{160}{54}\right) = \left(-\frac{80}{27}\right) = \left(-2\frac{26}{27}\right)$

3. $\left(-1\frac{1}{3}\right) \div 5\frac{1}{4} = \left(-\frac{4}{3}\right) \div \frac{21}{4} = \left(-\frac{4}{3}\right) \times \frac{4}{21} = \left(-\frac{16}{63}\right)$

4. $\frac{1}{2} \div \left(-2\frac{2}{3}\right) = \frac{1}{2} \div \left(-\frac{8}{3}\right) = \frac{1}{2} \times \left(-\frac{3}{8}\right) = \left(-\frac{3}{16}\right)$

5. $\frac{1}{2} \div \left(-2\frac{1}{3}\right) = \frac{1}{2} \div \left(-\frac{7}{3}\right) = \frac{1}{2} \times \left(-\frac{3}{7}\right) = \left(-\frac{3}{14}\right)$

6. $\left(-2\frac{1}{6}\right) \div \left(-1\frac{1}{5}\right) = \left(-\frac{13}{6}\right) \div \left(-\frac{6}{5}\right) = \left(-\frac{13}{6}\right) \times \left(-\frac{5}{6}\right) = \frac{65}{36} = 1\frac{29}{36}$

7. $\left(-4\frac{1}{2}\right) \div \left(-5\frac{1}{3}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{16}{3}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{3}{16}\right) = \frac{27}{32}$

8. $1\frac{2}{5} \div \left(-5\frac{2}{4}\right) = \frac{7}{5} \div \left(-\frac{22}{4}\right) = \frac{7}{5} \times \left(-\frac{4}{22}\right) = \left(-\frac{28}{110}\right) = \left(-\frac{14}{55}\right)$

9. $2\frac{4}{5} \div \left(-3\frac{5}{6}\right) = \frac{14}{5} \div \left(-\frac{23}{6}\right) = \frac{14}{5} \times \left(-\frac{6}{23}\right) = \left(-\frac{84}{115}\right)$

10. $\left(-5\frac{2}{3}\right) \div 3\frac{1}{2} = \left(-\frac{17}{3}\right) \div \frac{7}{2} = \left(-\frac{17}{3}\right) \times \frac{2}{7} = \left(-\frac{34}{21}\right) = \left(-1\frac{13}{21}\right)$