Dividing Negative Proper Fractions (F)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\dfrac{1}{2} \div \left(-\dfrac{9}{10}\right) =$

2. $\left(-\dfrac{1}{10}\right) \div \left(-\dfrac{11}{12}\right) =$

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

4. $\left(-\dfrac{4}{12}\right) \div \dfrac{1}{2} =$

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

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

7. $\left(-\dfrac{3}{8}\right) \div \left(-\dfrac{6}{8}\right) =$

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

9. $\dfrac{6}{12} \div \left(-\dfrac{8}{12}\right) =$

10. $\left(-\dfrac{2}{3}\right) \div \dfrac{8}{11} =$

Dividing Negative Proper Fractions (F) Answers

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\dfrac{1}{2} \div \left(-\dfrac{9}{10}\right) = \dfrac{1}{2} \times \left(-\dfrac{10}{9}\right) = \left(-\dfrac{10}{18}\right) = \left(-\dfrac{5}{9}\right)$

2. $\left(-\dfrac{1}{10}\right) \div \left(-\dfrac{11}{12}\right) = \left(-\dfrac{1}{10}\right) \times \left(-\dfrac{12}{11}\right) = \dfrac{12}{110} = \dfrac{6}{55}$

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

4. $\left(-\dfrac{4}{12}\right) \div \dfrac{1}{2} = \left(-\dfrac{4}{12}\right) \times \dfrac{2}{1} = \left(-\dfrac{8}{12}\right) = \left(-\dfrac{2}{3}\right)$

5. $\left(-\dfrac{1}{6}\right) \div \left(-\dfrac{2}{3}\right) = \left(-\dfrac{1}{6}\right) \times \left(-\dfrac{3}{2}\right) = \dfrac{3}{12} = \dfrac{1}{4}$

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

7. $\left(-\dfrac{3}{8}\right) \div \left(-\dfrac{6}{8}\right) = \left(-\dfrac{3}{8}\right) \times \left(-\dfrac{8}{6}\right) = \dfrac{24}{48} = \dfrac{1}{2}$

8. $\left(-\dfrac{1}{5}\right) \div \left(-\dfrac{2}{4}\right) = \left(-\dfrac{1}{5}\right) \times \left(-\dfrac{4}{2}\right) = \dfrac{4}{10} = \dfrac{2}{5}$

9. $\dfrac{6}{12} \div \left(-\dfrac{8}{12}\right) = \dfrac{6}{12} \times \left(-\dfrac{12}{8}\right) = \left(-\dfrac{72}{96}\right) = \left(-\dfrac{3}{4}\right)$

10. $\left(-\dfrac{2}{3}\right) \div \dfrac{8}{11} = \left(-\dfrac{2}{3}\right) \times \dfrac{11}{8} = \left(-\dfrac{22}{24}\right) = \left(-\dfrac{11}{12}\right)$