Dividing Negative Proper Fractions (E)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

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Dividing Negative Proper Fractions (E) Answers

Name: _____ Date: _____ Score: _____

Calculate each quotient.

1. $\left(-\dfrac{1}{4}\right) \div \dfrac{2}{6} = \left(-\dfrac{1}{4}\right) \times \dfrac{6}{2} = \left(-\dfrac{6}{8}\right) = \left(-\dfrac{3}{4}\right)$

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

3. $\left(-\dfrac{3}{5}\right) \div \dfrac{4}{5} = \left(-\dfrac{3}{5}\right) \times \dfrac{5}{4} = \left(-\dfrac{15}{20}\right) = \left(-\dfrac{3}{4}\right)$

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

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

6. $\left(-\dfrac{1}{5}\right) \div \left(-\dfrac{5}{6}\right) = \left(-\dfrac{1}{5}\right) \times \left(-\dfrac{6}{5}\right) = \dfrac{6}{25}$

7. $\left(-\dfrac{2}{5}\right) \div \left(-\dfrac{4}{6}\right) = \left(-\dfrac{2}{5}\right) \times \left(-\dfrac{6}{4}\right) = \dfrac{12}{20} = \dfrac{3}{5}$

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

9. $\dfrac{1}{3} \div \left(-\dfrac{3}{5}\right) = \dfrac{1}{3} \times \left(-\dfrac{5}{3}\right) = \left(-\dfrac{5}{9}\right)$

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

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