Dividing Negative Proper Fractions (A)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

2. $\left(-\dfrac{1}{2}\right) \div \left(-\dfrac{9}{12}\right) =$

3. $\left(-\dfrac{6}{10}\right) \div \left(-\dfrac{6}{7}\right) =$

4. $\dfrac{9}{11} \div \left(-\dfrac{11}{12}\right) =$

5. $\dfrac{4}{9} \div \left(-\dfrac{1}{2}\right) =$

6. $\left(-\dfrac{2}{6}\right) \div \left(-\dfrac{6}{9}\right) =$

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

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

9. $\left(-\dfrac{3}{6}\right) \div \dfrac{10}{12} =$

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

Dividing Negative Proper Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-\dfrac{7}{12}\right) \div \dfrac{2}{3} \;=\; \left(-\dfrac{7}{12}\right) \times \dfrac{3}{2} \;=\; \left(-\dfrac{21}{24}\right) \;=\; \left(-\dfrac{7}{8}\right)$

2. $\left(-\dfrac{1}{2}\right) \div \left(-\dfrac{9}{12}\right) \;=\; \left(-\dfrac{1}{2}\right) \times \left(-\dfrac{12}{9}\right) \;=\; \dfrac{12}{18} \;=\; \dfrac{2}{3}$

3. $\left(-\dfrac{6}{10}\right) \div \left(-\dfrac{6}{7}\right) \;=\; \left(-\dfrac{6}{10}\right) \times \left(-\dfrac{7}{6}\right) \;=\; \dfrac{42}{60} \;=\; \dfrac{7}{10}$

4. $\dfrac{9}{11} \div \left(-\dfrac{11}{12}\right) \;=\; \dfrac{9}{11} \times \left(-\dfrac{12}{11}\right) \;=\; \left(-\dfrac{108}{121}\right)$

5. $\dfrac{4}{9} \div \left(-\dfrac{1}{2}\right) \;=\; \dfrac{4}{9} \times \left(-\dfrac{2}{1}\right) \;=\; \left(-\dfrac{8}{9}\right)$

6. $\left(-\dfrac{2}{6}\right) \div \left(-\dfrac{6}{9}\right) \;=\; \left(-\dfrac{2}{6}\right) \times \left(-\dfrac{9}{6}\right) \;=\; \dfrac{18}{36} \;=\; \dfrac{1}{2}$

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

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

9. $\left(-\dfrac{3}{6}\right) \div \dfrac{10}{12} \;=\; \left(-\dfrac{3}{6}\right) \times \dfrac{12}{10} \;=\; \left(-\dfrac{36}{60}\right) \;=\; \left(-\dfrac{3}{5}\right)$

10. $\left(-\dfrac{4}{8}\right) \div \left(-\dfrac{2}{3}\right) \;=\; \left(-\dfrac{4}{8}\right) \times \left(-\dfrac{3}{2}\right) \;=\; \dfrac{12}{16} \;=\; \dfrac{3}{4}$