Dividing Negative Mixed Fractions (D)

Name: _____ Date: _____ Score: _____

Calculate each quotient.

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

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

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

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

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

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

7. $\left(-4\dfrac{3}{5}\right) \div 1\dfrac{2}{3} = \text{—} \div \text{—} = \text{—} \times \text{—} = \text{—} = \text{—}$

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

9. $\left(-2\dfrac{2}{3}\right) \div \left(-1\dfrac{4}{5}\right) = \text{—} \div \text{—} = \text{—} \times \text{—} = \text{—} = \text{—}$

10. $\left(-4\dfrac{1}{2}\right) \div \left(-3\dfrac{4}{5}\right) = \text{—} \div \text{—} = \text{—} \times \text{—} = \text{—} = \text{—}$

Dividing Negative Mixed Fractions (D) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-3\frac{5}{6}\right) \div \left(-2\frac{2}{5}\right) = \left(-\frac{23}{6}\right) \div \left(-\frac{12}{5}\right) = \left(-\frac{23}{6}\right) \times \left(-\frac{5}{12}\right) = \frac{115}{72} = 1\frac{43}{72}$

2. $\left(-3\frac{3}{4}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{15}{4}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{15}{4}\right) \times \left(-\frac{3}{7}\right) = \frac{45}{28} = 1\frac{17}{28}$

3. $\frac{1}{3} \div \left(-4\frac{4}{5}\right) = \frac{1}{3} \div \left(-\frac{24}{5}\right) = \frac{1}{3} \times \left(-\frac{5}{24}\right) = \left(-\frac{5}{72}\right)$

4. $\left(-4\frac{1}{2}\right) \div 2\frac{2}{3} = \left(-\frac{9}{2}\right) \div \frac{8}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{8} = \left(-\frac{27}{16}\right) = \left(-2\frac{11}{16}\right)$

5. $\left(-4\frac{2}{3}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{14}{3}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{14}{3}\right) \times \left(-\frac{2}{3}\right) = \frac{28}{9} = 3\frac{1}{9}$

6. $\left(-4\frac{3}{4}\right) \div \left(-4\frac{4}{5}\right) = \left(-\frac{19}{4}\right) \div \left(-\frac{24}{5}\right) = \left(-\frac{19}{4}\right) \times \left(-\frac{5}{24}\right) = \frac{95}{96}$

7. $\left(-4\frac{3}{5}\right) \div 1\frac{2}{3} = \left(-\frac{23}{5}\right) \div \frac{5}{3} = \left(-\frac{23}{5}\right) \times \frac{3}{5} = \left(-\frac{69}{25}\right) = \left(-3\frac{19}{25}\right)$

8. $\left(-2\frac{4}{5}\right) \div 1\frac{1}{2} = \left(-\frac{14}{5}\right) \div \frac{3}{2} = \left(-\frac{14}{5}\right) \times \frac{2}{3} = \left(-\frac{28}{15}\right) = \left(-2\frac{13}{15}\right)$

9. $\left(-2\frac{2}{3}\right) \div \left(-1\frac{4}{5}\right) = \left(-\frac{8}{3}\right) \div \left(-\frac{9}{5}\right) = \left(-\frac{8}{3}\right) \times \left(-\frac{5}{9}\right) = \frac{40}{27} = 1\frac{13}{27}$

10. $\left(-4\frac{1}{2}\right) \div \left(-3\frac{4}{5}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{19}{5}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{5}{19}\right) = \frac{45}{38} = 1\frac{7}{38}$

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