

Dividing Negative Mixed Fractions (G)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

8. $2\frac{1}{3} \div \left(-5\frac{2}{4}\right) =$

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

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

Dividing Negative Mixed Fractions (G) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad \left(-5\frac{1}{3}\right) \div \left(-1\frac{1}{4}\right) = \left(-\frac{16}{3}\right) \div \left(-\frac{5}{4}\right) = \left(-\frac{16}{3}\right) \times \left(-\frac{4}{5}\right) = \frac{64}{15} = 4\frac{4}{15}$$

$$2. \quad \left(-1\frac{1}{3}\right) \div \left(-5\frac{3}{4}\right) = \left(-\frac{4}{3}\right) \div \left(-\frac{23}{4}\right) = \left(-\frac{4}{3}\right) \times \left(-\frac{4}{23}\right) = \frac{16}{69}$$

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

$$4. \quad \left(-3\frac{3}{5}\right) \div 3\frac{1}{2} = \left(-\frac{18}{5}\right) \div \frac{7}{2} = \left(-\frac{18}{5}\right) \times \frac{2}{7} = \left(-\frac{36}{35}\right) = \left(-1\frac{1}{35}\right)$$

$$5. \quad \left(-2\frac{4}{5}\right) \div \left(-5\frac{1}{2}\right) = \left(-\frac{14}{5}\right) \div \left(-\frac{11}{2}\right) = \left(-\frac{14}{5}\right) \times \left(-\frac{2}{11}\right) = \frac{28}{55}$$

$$6. \quad \left(-1\frac{2}{4}\right) \div \left(-2\frac{1}{5}\right) = \left(-\frac{6}{4}\right) \div \left(-\frac{11}{5}\right) = \left(-\frac{6}{4}\right) \times \left(-\frac{5}{11}\right) = \frac{30}{44} = \frac{15}{22}$$

$$7. \quad \left(-4\frac{3}{5}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{23}{5}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{23}{5}\right) \times \left(-\frac{3}{7}\right) = \frac{69}{35} = 1\frac{34}{35}$$

$$8. \quad 2\frac{1}{3} \div \left(-5\frac{2}{4}\right) = \frac{7}{3} \div \left(-\frac{22}{4}\right) = \frac{7}{3} \times \left(-\frac{4}{22}\right) = \left(-\frac{28}{66}\right) = \left(-\frac{14}{33}\right)$$

$$9. \quad \frac{3}{5} \div \left(-5\frac{2}{6}\right) = \frac{3}{5} \div \left(-\frac{32}{6}\right) = \frac{3}{5} \times \left(-\frac{6}{32}\right) = \left(-\frac{18}{160}\right) = \left(-\frac{9}{80}\right)$$

$$10. \quad \left(-4\frac{2}{4}\right) \div 2\frac{1}{3} = \left(-\frac{18}{4}\right) \div \frac{7}{3} = \left(-\frac{18}{4}\right) \times \frac{3}{7} = \left(-\frac{54}{28}\right) = \left(-\frac{27}{14}\right) = \left(-1\frac{13}{14}\right)$$