

Dividing Negative Mixed Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

2. $\left(-1\frac{9}{12}\right) \div 5\frac{4}{5} =$

3. $\left(-1\frac{9}{10}\right) \div \left(-5\frac{2}{3}\right) =$

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

5. $\left(-3\frac{4}{6}\right) \div 3\frac{2}{5} =$

6. $\left(-4\frac{3}{5}\right) \div 1\frac{5}{6} =$

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

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

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

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

Dividing Negative Mixed Fractions (F) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad 5\frac{9}{10} \div \left(-2\frac{3}{7}\right) = \frac{59}{10} \div \left(-\frac{17}{7}\right) = \frac{59}{10} \times \left(-\frac{7}{17}\right) = \left(-\frac{413}{170}\right) = \left(-2\frac{73}{170}\right)$$

$$2. \quad \left(-1\frac{9}{12}\right) \div 5\frac{4}{5} = \left(-\frac{21}{12}\right) \div \frac{29}{5} = \left(-\frac{21}{12}\right) \times \frac{5}{29} = \left(-\frac{105}{348}\right) = \left(-\frac{35}{116}\right)$$

$$3. \quad \left(-1\frac{9}{10}\right) \div \left(-5\frac{2}{3}\right) = \left(-\frac{19}{10}\right) \div \left(-\frac{17}{3}\right) = \left(-\frac{19}{10}\right) \times \left(-\frac{3}{17}\right) = \frac{57}{170}$$

$$4. \quad 4\frac{3}{5} \div \left(-2\frac{5}{8}\right) = \frac{23}{5} \div \left(-\frac{21}{8}\right) = \frac{23}{5} \times \left(-\frac{8}{21}\right) = \left(-\frac{184}{105}\right) = \left(-1\frac{79}{105}\right)$$

$$5. \quad \left(-3\frac{4}{6}\right) \div 3\frac{2}{5} = \left(-\frac{22}{6}\right) \div \frac{17}{5} = \left(-\frac{22}{6}\right) \times \frac{5}{17} = \left(-\frac{110}{102}\right) = \left(-\frac{55}{51}\right) = \left(-1\frac{4}{51}\right)$$

$$6. \quad \left(-4\frac{3}{5}\right) \div 1\frac{5}{6} = \left(-\frac{23}{5}\right) \div \frac{11}{6} = \left(-\frac{23}{5}\right) \times \frac{6}{11} = \left(-\frac{138}{55}\right) = \left(-2\frac{28}{55}\right)$$

$$7. \quad 4\frac{2}{5} \div \left(-4\frac{1}{4}\right) = \frac{22}{5} \div \left(-\frac{17}{4}\right) = \frac{22}{5} \times \left(-\frac{4}{17}\right) = \left(-\frac{88}{85}\right) = \left(-1\frac{3}{85}\right)$$

$$8. \quad \left(-2\frac{1}{2}\right) \div \frac{2}{5} = \left(-\frac{5}{2}\right) \div \frac{2}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{2} = \left(-\frac{25}{4}\right) = \left(-6\frac{1}{4}\right)$$

$$9. \quad \left(-4\frac{1}{3}\right) \div \left(-2\frac{2}{4}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{10}{4}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{4}{10}\right) = \frac{52}{30} = \frac{26}{15} = 1\frac{11}{15}$$

$$10. \quad \left(-2\frac{4}{6}\right) \div \left(-5\frac{2}{5}\right) = \left(-\frac{16}{6}\right) \div \left(-\frac{27}{5}\right) = \left(-\frac{16}{6}\right) \times \left(-\frac{5}{27}\right) = \frac{80}{162} = \frac{40}{81}$$