

Dividing Negative Mixed Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

Dividing Negative Mixed Fractions (F) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-3\frac{1}{2}\right) \div \left(-1\frac{3}{5}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{8}{5}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{5}{8}\right) = \frac{35}{16} = 2\frac{3}{16}$$

$$2. \left(-2\frac{1}{2}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{5}{2}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{5}{2}\right) \times \left(-\frac{3}{7}\right) = \frac{15}{14} = 1\frac{1}{14}$$

$$3. \left(-1\frac{1}{3}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{4}{3}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{4}{3}\right) \times \left(-\frac{2}{7}\right) = \frac{8}{21}$$

$$4. \left(-1\frac{3}{5}\right) \div \frac{1}{2} = \left(-\frac{8}{5}\right) \div \frac{1}{2} = \left(-\frac{8}{5}\right) \times \frac{2}{1} = \left(-\frac{16}{5}\right) = \left(-3\frac{1}{5}\right)$$

$$5. \left(-4\frac{1}{4}\right) \div \left(-5\frac{3}{5}\right) = \left(-\frac{17}{4}\right) \div \left(-\frac{28}{5}\right) = \left(-\frac{17}{4}\right) \times \left(-\frac{5}{28}\right) = \frac{85}{112}$$

$$6. \left(-1\frac{2}{3}\right) \div \left(-4\frac{1}{4}\right) = \left(-\frac{5}{3}\right) \div \left(-\frac{17}{4}\right) = \left(-\frac{5}{3}\right) \times \left(-\frac{4}{17}\right) = \frac{20}{51}$$

$$7. \left(-5\frac{2}{4}\right) \div \left(-4\frac{3}{5}\right) = \left(-\frac{22}{4}\right) \div \left(-\frac{23}{5}\right) = \left(-\frac{22}{4}\right) \times \left(-\frac{5}{23}\right) = \frac{110}{92} = \frac{55}{46} = 1\frac{9}{46}$$

$$8. \left(-3\frac{3}{6}\right) \div 3\frac{2}{5} = \left(-\frac{21}{6}\right) \div \frac{17}{5} = \left(-\frac{21}{6}\right) \times \frac{5}{17} = \left(-\frac{105}{102}\right) = \left(-\frac{35}{34}\right) = \left(-1\frac{1}{34}\right)$$

$$9. \left(-2\frac{1}{2}\right) \div 1\frac{1}{3} = \left(-\frac{5}{2}\right) \div \frac{4}{3} = \left(-\frac{5}{2}\right) \times \frac{3}{4} = \left(-\frac{15}{8}\right) = \left(-1\frac{7}{8}\right)$$

$$10. \left(-4\frac{4}{6}\right) \div 5\frac{4}{5} = \left(-\frac{28}{6}\right) \div \frac{29}{5} = \left(-\frac{28}{6}\right) \times \frac{5}{29} = \left(-\frac{140}{174}\right) = \left(-\frac{70}{87}\right)$$