

Dividing Negative Mixed Fractions (A)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-4\frac{3}{11}\right) \div \left(-3\frac{1}{2}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

Convert ↑ Inversion Solve Convert ↓

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

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

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

$$5. \left(-4\frac{5}{7}\right) \div \left(-3\frac{1}{6}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

$$6. 2\frac{6}{7} \div \left(-3\frac{3}{10}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$$

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

$$8. 3\frac{1}{6} \div \left(-3\frac{6}{11}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$$

$$9. \left(-2\frac{10}{11}\right) \div \left(-2\frac{1}{3}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

$$10. 3\frac{4}{11} \div \left(-3\frac{1}{2}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$$

Dividing Negative Mixed Fractions (A) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-4\frac{3}{11}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{47}{11}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{47}{11}\right) \times \left(-\frac{2}{7}\right) = \frac{94}{77} = 1\frac{17}{77}$$

$$2. \left(-2\frac{2}{7}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{16}{7}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{16}{7}\right) \times \left(-\frac{2}{5}\right) = \frac{32}{35}$$

$$3. \left(-3\frac{2}{3}\right) \div \left(-3\frac{3}{4}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{15}{4}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{4}{15}\right) = \frac{44}{45}$$

$$4. \left(-4\frac{4}{7}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{32}{7}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{32}{7}\right) \times \left(-\frac{3}{7}\right) = \frac{96}{49} = 1\frac{47}{49}$$

$$5. \left(-4\frac{5}{7}\right) \div \left(-3\frac{1}{6}\right) = \left(-\frac{33}{7}\right) \div \left(-\frac{19}{6}\right) = \left(-\frac{33}{7}\right) \times \left(-\frac{6}{19}\right) = \frac{198}{133} = 1\frac{65}{133}$$

$$6. 2\frac{6}{7} \div \left(-3\frac{3}{10}\right) = \frac{20}{7} \div \left(-\frac{33}{10}\right) = \frac{20}{7} \times \left(-\frac{10}{33}\right) = \left(-\frac{200}{231}\right)$$

$$7. \left(-4\frac{1}{3}\right) \div 2\frac{9}{10} = \left(-\frac{13}{3}\right) \div \frac{29}{10} = \left(-\frac{13}{3}\right) \times \frac{10}{29} = \left(-\frac{130}{87}\right) = \left(-2\frac{43}{87}\right)$$

$$8. 3\frac{1}{6} \div \left(-3\frac{6}{11}\right) = \frac{19}{6} \div \left(-\frac{39}{11}\right) = \frac{19}{6} \times \left(-\frac{11}{39}\right) = \left(-\frac{209}{234}\right)$$

$$9. \left(-2\frac{10}{11}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{32}{11}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{32}{11}\right) \times \left(-\frac{3}{7}\right) = \frac{96}{77} = 1\frac{19}{77}$$

$$10. 3\frac{4}{11} \div \left(-3\frac{1}{2}\right) = \frac{37}{11} \div \left(-\frac{7}{2}\right) = \frac{37}{11} \times \left(-\frac{2}{7}\right) = \left(-\frac{74}{77}\right)$$

Dividing Negative Mixed Fractions (B)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-3\frac{7}{8}\right) \div \left(-1\frac{1}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

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

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

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

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

$$6. \left(-2\frac{1}{5}\right) \div \left(-1\frac{5}{7}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

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

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

$$9. \left(-4\frac{1}{2}\right) \div \left(-4\frac{5}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

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

Dividing Negative Mixed Fractions (B) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-3\frac{7}{8}\right) \div \left(-1\frac{1}{11}\right) = \left(-\frac{31}{8}\right) \div \left(-\frac{12}{11}\right) = \left(-\frac{31}{8}\right) \times \left(-\frac{11}{12}\right) = \frac{341}{96} = 3\frac{53}{96}$$

$$2. \left(-3\frac{1}{10}\right) \div \left(-3\frac{1}{9}\right) = \left(-\frac{31}{10}\right) \div \left(-\frac{28}{9}\right) = \left(-\frac{31}{10}\right) \times \left(-\frac{9}{28}\right) = \frac{279}{280}$$

$$3. \frac{3}{4} \div \left(-2\frac{2}{7}\right) = \frac{3}{4} \div \left(-\frac{16}{7}\right) = \frac{3}{4} \times \left(-\frac{7}{16}\right) = \left(-\frac{21}{64}\right)$$

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

$$5. \left(-2\frac{5}{9}\right) \div \left(-3\frac{1}{4}\right) = \left(-\frac{23}{9}\right) \div \left(-\frac{13}{4}\right) = \left(-\frac{23}{9}\right) \times \left(-\frac{4}{13}\right) = \frac{92}{117}$$

$$6. \left(-2\frac{1}{5}\right) \div \left(-1\frac{5}{7}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{12}{7}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{7}{12}\right) = \frac{77}{60} = 1\frac{17}{60}$$

$$7. \left(-2\frac{1}{5}\right) \div \left(-4\frac{1}{2}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{9}{2}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{2}{9}\right) = \frac{22}{45}$$

$$8. 2\frac{3}{7} \div \left(-4\frac{1}{5}\right) = \frac{17}{7} \div \left(-\frac{21}{5}\right) = \frac{17}{7} \times \left(-\frac{5}{21}\right) = \left(-\frac{85}{147}\right)$$

$$9. \left(-4\frac{1}{2}\right) \div \left(-4\frac{5}{11}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{49}{11}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{11}{49}\right) = \frac{99}{98} = 1\frac{1}{98}$$

$$10. 1\frac{2}{3} \div \left(-3\frac{1}{2}\right) = \frac{5}{3} \div \left(-\frac{7}{2}\right) = \frac{5}{3} \times \left(-\frac{2}{7}\right) = \left(-\frac{10}{21}\right)$$

Dividing Negative Mixed Fractions (C)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

$$5. \quad 3\frac{4}{11} \div \left(-2\frac{1}{2}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

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

$$7. \quad \left(-2\frac{8}{9}\right) \div \left(-3\frac{7}{10}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$$

$$8. \quad \left(-3\frac{6}{11}\right) \div \left(-2\frac{1}{2}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

$$9. \quad \left(-4\frac{11}{12}\right) \div \left(-4\frac{5}{11}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$$

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

Dividing Negative Mixed Fractions (C) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad \left(-4\frac{1}{2}\right) \div 1\frac{2}{3} = \left(-\frac{9}{2}\right) \div \frac{5}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{5} = \left(-\frac{27}{10}\right) = \left(-3\frac{7}{10}\right)$$

$$2. \quad 2\frac{5}{7} \div \left(-3\frac{1}{2}\right) = \frac{19}{7} \div \left(-\frac{7}{2}\right) = \frac{19}{7} \times \left(-\frac{2}{7}\right) = \left(-\frac{38}{49}\right)$$

$$3. \quad \left(-4\frac{1}{3}\right) \div \left(-3\frac{3}{4}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{15}{4}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{4}{15}\right) = \frac{52}{45} = 1\frac{7}{45}$$

$$4. \quad 2\frac{2}{3} \div \left(-2\frac{3}{5}\right) = \frac{8}{3} \div \left(-\frac{13}{5}\right) = \frac{8}{3} \times \left(-\frac{5}{13}\right) = \left(-\frac{40}{39}\right) = \left(-2\frac{1}{39}\right)$$

$$5. \quad 3\frac{4}{11} \div \left(-2\frac{1}{2}\right) = \frac{37}{11} \div \left(-\frac{5}{2}\right) = \frac{37}{11} \times \left(-\frac{2}{5}\right) = \left(-\frac{74}{55}\right) = \left(-2\frac{19}{55}\right)$$

$$6. \quad \left(-2\frac{3}{5}\right) \div \frac{5}{6} = \left(-\frac{13}{5}\right) \div \frac{5}{6} = \left(-\frac{13}{5}\right) \times \frac{6}{5} = \left(-\frac{78}{25}\right) = \left(-4\frac{3}{25}\right)$$

$$7. \quad \left(-2\frac{8}{9}\right) \div \left(-3\frac{7}{10}\right) = \left(-\frac{26}{9}\right) \div \left(-\frac{37}{10}\right) = \left(-\frac{26}{9}\right) \times \left(-\frac{10}{37}\right) = \frac{260}{333}$$

$$8. \quad \left(-3\frac{6}{11}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{39}{11}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{39}{11}\right) \times \left(-\frac{2}{5}\right) = \frac{78}{55} = 1\frac{23}{55}$$

$$9. \quad \left(-4\frac{11}{12}\right) \div \left(-4\frac{5}{11}\right) = \left(-\frac{59}{12}\right) \div \left(-\frac{49}{11}\right) = \left(-\frac{59}{12}\right) \times \left(-\frac{11}{49}\right) = \frac{649}{588} = 1\frac{61}{588}$$

$$10. \quad 3\frac{2}{3} \div \left(-4\frac{1}{2}\right) = \frac{11}{3} \div \left(-\frac{9}{2}\right) = \frac{11}{3} \times \left(-\frac{2}{9}\right) = \left(-\frac{22}{27}\right)$$

Dividing Negative Mixed Fractions (D)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

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

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

6. $\left(-4\frac{2}{7}\right) \div \left(-3\frac{2}{9}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $\left(-2\frac{11}{12}\right) \div \left(-1\frac{4}{5}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $\left(-1\frac{5}{8}\right) \div \left(-4\frac{5}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

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

10. $\left(-3\frac{3}{4}\right) \div \left(-3\frac{4}{9}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

Dividing Negative Mixed Fractions (D) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

$$2. \quad \left(-1\frac{4}{5}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{9}{5}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{9}{5}\right) \times \left(-\frac{3}{11}\right) = \frac{27}{55}$$

$$3. \quad \left(-4\frac{2}{3}\right) \div \left(-3\frac{1}{4}\right) = \left(-\frac{14}{3}\right) \div \left(-\frac{13}{4}\right) = \left(-\frac{14}{3}\right) \times \left(-\frac{4}{13}\right) = \frac{56}{39} = 1\frac{17}{39}$$

$$4. \quad 3\frac{2}{3} \div \left(-2\frac{1}{4}\right) = \frac{11}{3} \div \left(-\frac{9}{4}\right) = \frac{11}{3} \times \left(-\frac{4}{9}\right) = \left(-\frac{44}{27}\right) = \left(-2\frac{17}{27}\right)$$

$$5. \quad \left(-3\frac{1}{2}\right) \div 2\frac{7}{9} = \left(-\frac{7}{2}\right) \div \frac{25}{9} = \left(-\frac{7}{2}\right) \times \frac{9}{25} = \left(-\frac{63}{50}\right) = \left(-2\frac{13}{50}\right)$$

$$6. \quad \left(-4\frac{2}{7}\right) \div \left(-3\frac{2}{9}\right) = \left(-\frac{30}{7}\right) \div \left(-\frac{29}{9}\right) = \left(-\frac{30}{7}\right) \times \left(-\frac{9}{29}\right) = \frac{270}{203} = 1\frac{67}{203}$$

$$7. \quad \left(-2\frac{11}{12}\right) \div \left(-1\frac{4}{5}\right) = \left(-\frac{35}{12}\right) \div \left(-\frac{9}{5}\right) = \left(-\frac{35}{12}\right) \times \left(-\frac{5}{9}\right) = \frac{175}{108} = 1\frac{67}{108}$$

$$8. \quad \left(-1\frac{5}{8}\right) \div \left(-4\frac{5}{11}\right) = \left(-\frac{13}{8}\right) \div \left(-\frac{49}{11}\right) = \left(-\frac{13}{8}\right) \times \left(-\frac{11}{49}\right) = \frac{143}{392}$$

$$9. \quad 1\frac{2}{3} \div \left(-2\frac{1}{4}\right) = \frac{5}{3} \div \left(-\frac{9}{4}\right) = \frac{5}{3} \times \left(-\frac{4}{9}\right) = \left(-\frac{20}{27}\right)$$

$$10. \quad \left(-3\frac{3}{4}\right) \div \left(-3\frac{4}{9}\right) = \left(-\frac{15}{4}\right) \div \left(-\frac{31}{9}\right) = \left(-\frac{15}{4}\right) \times \left(-\frac{9}{31}\right) = \frac{135}{124} = 1\frac{11}{124}$$

Dividing Negative Mixed Fractions (E)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

3. $\left(-2\frac{1}{12}\right) \div 2\frac{2}{5} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

4. $1\frac{3}{10} \div \left(-4\frac{8}{9}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

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

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

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

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

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

10. $\left(-2\frac{8}{9}\right) \div 1\frac{1}{2} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

Dividing Negative Mixed Fractions (E) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad 3\frac{8}{11} \div \left(-2\frac{1}{4}\right) = \frac{41}{11} \div \left(-\frac{9}{4}\right) = \frac{41}{11} \times \left(-\frac{4}{9}\right) = \left(-\frac{164}{99}\right) = \left(-2\frac{65}{99}\right)$$

$$2. \quad 3\frac{1}{4} \div \left(-2\frac{6}{7}\right) = \frac{13}{4} \div \left(-\frac{20}{7}\right) = \frac{13}{4} \times \left(-\frac{7}{20}\right) = \left(-\frac{91}{80}\right) = \left(-2\frac{11}{80}\right)$$

$$3. \quad \left(-2\frac{1}{12}\right) \div 2\frac{2}{5} = \left(-\frac{25}{12}\right) \div \frac{12}{5} = \left(-\frac{25}{12}\right) \times \frac{5}{12} = \left(-\frac{125}{144}\right)$$

$$4. \quad 1\frac{3}{10} \div \left(-4\frac{8}{9}\right) = \frac{13}{10} \div \left(-\frac{44}{9}\right) = \frac{13}{10} \times \left(-\frac{9}{44}\right) = \left(-\frac{117}{440}\right)$$

$$5. \quad \left(-2\frac{1}{4}\right) \div \frac{7}{9} = \left(-\frac{9}{4}\right) \div \frac{7}{9} = \left(-\frac{9}{4}\right) \times \frac{9}{7} = \left(-\frac{81}{28}\right) = \left(-3\frac{25}{28}\right)$$

$$6. \quad \left(-2\frac{2}{5}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{12}{5}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{12}{5}\right) \times \left(-\frac{3}{7}\right) = \frac{36}{35} = 1\frac{1}{35}$$

$$7. \quad \left(-2\frac{1}{5}\right) \div \left(-4\frac{1}{6}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{25}{6}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{6}{25}\right) = \frac{66}{125}$$

$$8. \quad 3\frac{1}{4} \div \left(-3\frac{1}{7}\right) = \frac{13}{4} \div \left(-\frac{22}{7}\right) = \frac{13}{4} \times \left(-\frac{7}{22}\right) = \left(-\frac{91}{88}\right) = \left(-2\frac{3}{88}\right)$$

$$9. \quad 2\frac{2}{5} \div \left(-4\frac{3}{4}\right) = \frac{12}{5} \div \left(-\frac{19}{4}\right) = \frac{12}{5} \times \left(-\frac{4}{19}\right) = \left(-\frac{48}{95}\right)$$

$$10. \quad \left(-2\frac{8}{9}\right) \div 1\frac{1}{2} = \left(-\frac{26}{9}\right) \div \frac{3}{2} = \left(-\frac{26}{9}\right) \times \frac{2}{3} = \left(-\frac{52}{27}\right) = \left(-2\frac{25}{27}\right)$$

Dividing Negative Mixed Fractions (F)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

3. $\frac{7}{8} \div \left(-3\frac{2}{3}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

4. $\frac{7}{11} \div \left(-3\frac{2}{7}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

5. $\left(-3\frac{1}{11}\right) \div \left(-2\frac{1}{2}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

6. $\left(-3\frac{1}{5}\right) \div \left(-2\frac{5}{6}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

7. $\left(-3\frac{1}{2}\right) \div \left(-2\frac{2}{7}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

8. $\left(-1\frac{5}{9}\right) \div \left(-2\frac{1}{5}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

9. $\left(-2\frac{1}{5}\right) \div \left(-2\frac{1}{9}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

10. $\left(-2\frac{7}{8}\right) \div \left(-2\frac{2}{3}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

Dividing Negative Mixed Fractions (F) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad \left(-2\frac{1}{3}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{7}{3}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{7}{3}\right) \times \left(-\frac{2}{3}\right) = \frac{14}{9} = 1\frac{5}{9}$$

$$2. \quad 3\frac{4}{5} \div \left(-4\frac{1}{4}\right) = \frac{19}{5} \div \left(-\frac{17}{4}\right) = \frac{19}{5} \times \left(-\frac{4}{17}\right) = \left(-\frac{76}{85}\right)$$

$$3. \quad \frac{7}{8} \div \left(-3\frac{2}{3}\right) = \frac{7}{8} \div \left(-\frac{11}{3}\right) = \frac{7}{8} \times \left(-\frac{3}{11}\right) = \left(-\frac{21}{88}\right)$$

$$4. \quad \frac{7}{11} \div \left(-3\frac{2}{7}\right) = \frac{7}{11} \div \left(-\frac{23}{7}\right) = \frac{7}{11} \times \left(-\frac{7}{23}\right) = \left(-\frac{49}{253}\right)$$

$$5. \quad \left(-3\frac{1}{11}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{34}{11}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{34}{11}\right) \times \left(-\frac{2}{5}\right) = \frac{68}{55} = 1\frac{13}{55}$$

$$6. \quad \left(-3\frac{1}{5}\right) \div \left(-2\frac{5}{6}\right) = \left(-\frac{16}{5}\right) \div \left(-\frac{17}{6}\right) = \left(-\frac{16}{5}\right) \times \left(-\frac{6}{17}\right) = \frac{96}{85} = 1\frac{11}{85}$$

$$7. \quad \left(-3\frac{1}{2}\right) \div \left(-2\frac{2}{7}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{16}{7}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{7}{16}\right) = \frac{49}{32} = 1\frac{17}{32}$$

$$8. \quad \left(-1\frac{5}{9}\right) \div \left(-2\frac{1}{5}\right) = \left(-\frac{14}{9}\right) \div \left(-\frac{11}{5}\right) = \left(-\frac{14}{9}\right) \times \left(-\frac{5}{11}\right) = \frac{70}{99}$$

$$9. \quad \left(-2\frac{1}{5}\right) \div \left(-2\frac{1}{9}\right) = \left(-\frac{11}{5}\right) \div \left(-\frac{19}{9}\right) = \left(-\frac{11}{5}\right) \times \left(-\frac{9}{19}\right) = \frac{99}{95} = 1\frac{4}{95}$$

$$10. \quad \left(-2\frac{7}{8}\right) \div \left(-2\frac{2}{3}\right) = \left(-\frac{23}{8}\right) \div \left(-\frac{8}{3}\right) = \left(-\frac{23}{8}\right) \times \left(-\frac{3}{8}\right) = \frac{69}{64} = 1\frac{5}{64}$$

Dividing Negative Mixed Fractions (G)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

2. $\left(-3\frac{6}{11}\right) \div 1\frac{4}{7} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

6. $3\frac{3}{4} \div \left(-3\frac{4}{9}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

9. $\left(-4\frac{1}{7}\right) \div 3\frac{7}{9} = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

Dividing Negative Mixed Fractions (G) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

$$2. \quad \left(-3\frac{6}{11}\right) \div 1\frac{4}{7} = \left(-\frac{39}{11}\right) \div \frac{11}{7} = \left(-\frac{39}{11}\right) \times \frac{7}{11} = \left(-\frac{273}{121}\right) = \left(-3\frac{31}{121}\right)$$

$$3. \quad \left(-4\frac{1}{2}\right) \div \left(-4\frac{2}{3}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{14}{3}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{3}{14}\right) = \frac{27}{28}$$

$$4. \quad \left(-4\frac{1}{2}\right) \div \left(-1\frac{3}{5}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{8}{5}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{5}{8}\right) = \frac{45}{16} = 2\frac{13}{16}$$

$$5. \quad \frac{1}{3} \div \left(-3\frac{9}{10}\right) = \frac{1}{3} \div \left(-\frac{39}{10}\right) = \frac{1}{3} \times \left(-\frac{10}{39}\right) = \left(-\frac{10}{117}\right)$$

$$6. \quad 3\frac{3}{4} \div \left(-3\frac{4}{9}\right) = \frac{15}{4} \div \left(-\frac{31}{9}\right) = \frac{15}{4} \times \left(-\frac{9}{31}\right) = \left(-\frac{135}{124}\right) = \left(-2\frac{11}{124}\right)$$

$$7. \quad \left(-4\frac{1}{3}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{2}{5}\right) = \frac{26}{15} = 1\frac{11}{15}$$

$$8. \quad 1\frac{1}{2} \div \left(-4\frac{1}{3}\right) = \frac{3}{2} \div \left(-\frac{13}{3}\right) = \frac{3}{2} \times \left(-\frac{3}{13}\right) = \left(-\frac{9}{26}\right)$$

$$9. \quad \left(-4\frac{1}{7}\right) \div 3\frac{7}{9} = \left(-\frac{29}{7}\right) \div \frac{34}{9} = \left(-\frac{29}{7}\right) \times \frac{9}{34} = \left(-\frac{261}{238}\right) = \left(-2\frac{23}{238}\right)$$

$$10. \quad 3\frac{2}{3} \div \left(-4\frac{1}{2}\right) = \frac{11}{3} \div \left(-\frac{9}{2}\right) = \frac{11}{3} \times \left(-\frac{2}{9}\right) = \left(-\frac{22}{27}\right)$$

Dividing Negative Mixed Fractions (H)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

3. $\left(-2\frac{6}{7}\right) \div \left(-1\frac{4}{9}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

6. $\left(-3\frac{3}{7}\right) \div \left(-2\frac{1}{3}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

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

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

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

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

Dividing Negative Mixed Fractions (H) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-3\frac{2}{5}\right) \div \left(-1\frac{1}{7}\right) = \left(-\frac{17}{5}\right) \div \left(-\frac{8}{7}\right) = \left(-\frac{17}{5}\right) \times \left(-\frac{7}{8}\right) = \frac{119}{40} = 2\frac{39}{40}$$

$$2. \left(-3\frac{5}{9}\right) \div \left(-4\frac{1}{5}\right) = \left(-\frac{32}{9}\right) \div \left(-\frac{21}{5}\right) = \left(-\frac{32}{9}\right) \times \left(-\frac{5}{21}\right) = \frac{160}{189}$$

$$3. \left(-2\frac{6}{7}\right) \div \left(-1\frac{4}{9}\right) = \left(-\frac{20}{7}\right) \div \left(-\frac{13}{9}\right) = \left(-\frac{20}{7}\right) \times \left(-\frac{9}{13}\right) = \frac{180}{91} = 1\frac{89}{91}$$

$$4. 3\frac{1}{3} \div \left(-3\frac{1}{2}\right) = \frac{10}{3} \div \left(-\frac{7}{2}\right) = \frac{10}{3} \times \left(-\frac{2}{7}\right) = \left(-\frac{20}{21}\right)$$

$$5. \left(-3\frac{1}{5}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{16}{5}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{16}{5}\right) \times \left(-\frac{2}{5}\right) = \frac{32}{25} = 1\frac{7}{25}$$

$$6. \left(-3\frac{3}{7}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{24}{7}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{24}{7}\right) \times \left(-\frac{3}{7}\right) = \frac{72}{49} = 1\frac{23}{49}$$

$$7. \left(-3\frac{3}{5}\right) \div \left(-4\frac{3}{4}\right) = \left(-\frac{18}{5}\right) \div \left(-\frac{19}{4}\right) = \left(-\frac{18}{5}\right) \times \left(-\frac{4}{19}\right) = \frac{72}{95}$$

$$8. \left(-3\frac{3}{5}\right) \div \left(-2\frac{5}{6}\right) = \left(-\frac{18}{5}\right) \div \left(-\frac{17}{6}\right) = \left(-\frac{18}{5}\right) \times \left(-\frac{6}{17}\right) = \frac{108}{85} = 1\frac{23}{85}$$

$$9. \left(-1\frac{7}{9}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{16}{9}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{16}{9}\right) \times \left(-\frac{2}{7}\right) = \frac{32}{63}$$

$$10. \left(-4\frac{2}{3}\right) \div 2\frac{1}{2} = \left(-\frac{14}{3}\right) \div \frac{5}{2} = \left(-\frac{14}{3}\right) \times \frac{2}{5} = \left(-\frac{28}{15}\right) = \left(-2\frac{13}{15}\right)$$

Dividing Negative Mixed Fractions (I)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

1. $\left(-3\frac{1}{2}\right) \div \left(-3\frac{5}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

3. $3\frac{1}{2} \div \left(-3\frac{3}{11}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

4. $\left(-2\frac{7}{11}\right) \div 3\frac{3}{10} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

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

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

7. $3\frac{6}{7} \div \left(-2\frac{5}{6}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

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

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

10. $\left(-3\frac{4}{11}\right) \div \left(-2\frac{2}{7}\right) = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$

Dividing Negative Mixed Fractions (I) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \left(-3\frac{1}{2}\right) \div \left(-3\frac{5}{11}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{38}{11}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{11}{38}\right) = \frac{77}{76} = 1\frac{1}{76}$$

$$2. \left(-3\frac{1}{4}\right) \div \left(-1\frac{1}{3}\right) = \left(-\frac{13}{4}\right) \div \left(-\frac{4}{3}\right) = \left(-\frac{13}{4}\right) \times \left(-\frac{3}{4}\right) = \frac{39}{16} = 2\frac{7}{16}$$

$$3. 3\frac{1}{2} \div \left(-3\frac{3}{11}\right) = \frac{7}{2} \div \left(-\frac{36}{11}\right) = \frac{7}{2} \times \left(-\frac{11}{36}\right) = \left(-\frac{77}{72}\right) = \left(-2\frac{5}{72}\right)$$

$$4. \left(-2\frac{7}{11}\right) \div 3\frac{3}{10} = \left(-\frac{29}{11}\right) \div \frac{33}{10} = \left(-\frac{29}{11}\right) \times \frac{10}{33} = \left(-\frac{290}{363}\right)$$

$$5. \left(-1\frac{2}{3}\right) \div \left(-4\frac{3}{10}\right) = \left(-\frac{5}{3}\right) \div \left(-\frac{43}{10}\right) = \left(-\frac{5}{3}\right) \times \left(-\frac{10}{43}\right) = \frac{50}{129}$$

$$6. \left(-3\frac{1}{2}\right) \div 2\frac{2}{3} = \left(-\frac{7}{2}\right) \div \frac{8}{3} = \left(-\frac{7}{2}\right) \times \frac{3}{8} = \left(-\frac{21}{16}\right) = \left(-2\frac{5}{16}\right)$$

$$7. 3\frac{6}{7} \div \left(-2\frac{5}{6}\right) = \frac{27}{7} \div \left(-\frac{17}{6}\right) = \frac{27}{7} \times \left(-\frac{6}{17}\right) = \left(-\frac{162}{119}\right) = \left(-2\frac{43}{119}\right)$$

$$8. \left(-3\frac{1}{2}\right) \div \left(-2\frac{2}{5}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{12}{5}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{5}{12}\right) = \frac{35}{24} = 1\frac{11}{24}$$

$$9. \left(-3\frac{2}{5}\right) \div \left(-3\frac{1}{3}\right) = \left(-\frac{17}{5}\right) \div \left(-\frac{10}{3}\right) = \left(-\frac{17}{5}\right) \times \left(-\frac{3}{10}\right) = \frac{51}{50} = 1\frac{1}{50}$$

$$10. \left(-3\frac{4}{11}\right) \div \left(-2\frac{2}{7}\right) = \left(-\frac{37}{11}\right) \div \left(-\frac{16}{7}\right) = \left(-\frac{37}{11}\right) \times \left(-\frac{7}{16}\right) = \frac{259}{176} = 1\frac{83}{176}$$

Dividing Negative Mixed Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each quotient.

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

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

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

4. $\frac{3}{5} \div \left(-3\frac{1}{12}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

5. $\frac{3}{11} \div \left(-3\frac{1}{3}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

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

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

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

9. $\left(-2\frac{3}{5}\right) \div \left(-3\frac{6}{7}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

10. $3\frac{3}{11} \div \left(-4\frac{3}{4}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---}$

Dividing Negative Mixed Fractions (J) Answers

Name: _____

Date: _____

Score: _____

Calculate each quotient.

$$1. \quad \left(-4\frac{1}{3}\right) \div \left(-3\frac{1}{2}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{7}{2}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{2}{7}\right) = \frac{26}{21} = 1\frac{5}{21}$$

$$2. \quad \left(-3\frac{1}{3}\right) \div 3\frac{1}{2} = \left(-\frac{10}{3}\right) \div \frac{7}{2} = \left(-\frac{10}{3}\right) \times \frac{2}{7} = \left(-\frac{20}{21}\right)$$

$$3. \quad 3\frac{1}{9} \div \left(-2\frac{3}{4}\right) = \frac{28}{9} \div \left(-\frac{11}{4}\right) = \frac{28}{9} \times \left(-\frac{4}{11}\right) = \left(-\frac{112}{99}\right) = \left(-2\frac{13}{99}\right)$$

$$4. \quad \frac{3}{5} \div \left(-3\frac{1}{12}\right) = \frac{3}{5} \div \left(-\frac{37}{12}\right) = \frac{3}{5} \times \left(-\frac{12}{37}\right) = \left(-\frac{36}{185}\right)$$

$$5. \quad \frac{3}{11} \div \left(-3\frac{1}{3}\right) = \frac{3}{11} \div \left(-\frac{10}{3}\right) = \frac{3}{11} \times \left(-\frac{3}{10}\right) = \left(-\frac{9}{110}\right)$$

$$6. \quad \left(-3\frac{5}{7}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{26}{7}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{26}{7}\right) \times \left(-\frac{2}{3}\right) = \frac{52}{21} = 2\frac{10}{21}$$

$$7. \quad \left(-2\frac{1}{7}\right) \div \left(-3\frac{7}{9}\right) = \left(-\frac{15}{7}\right) \div \left(-\frac{34}{9}\right) = \left(-\frac{15}{7}\right) \times \left(-\frac{9}{34}\right) = \frac{135}{238}$$

$$8. \quad \left(-4\frac{1}{2}\right) \div 2\frac{4}{5} = \left(-\frac{9}{2}\right) \div \frac{14}{5} = \left(-\frac{9}{2}\right) \times \frac{5}{14} = \left(-\frac{45}{28}\right) = \left(-2\frac{17}{28}\right)$$

$$9. \quad \left(-2\frac{3}{5}\right) \div \left(-3\frac{6}{7}\right) = \left(-\frac{13}{5}\right) \div \left(-\frac{27}{7}\right) = \left(-\frac{13}{5}\right) \times \left(-\frac{7}{27}\right) = \frac{91}{135}$$

$$10. \quad 3\frac{3}{11} \div \left(-4\frac{3}{4}\right) = \frac{36}{11} \div \left(-\frac{19}{4}\right) = \frac{36}{11} \times \left(-\frac{4}{19}\right) = \left(-\frac{144}{209}\right)$$