

## Dividing Negative Mixed Fractions (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

Convert ↑                      Inversion                      Solve                      Convert ↓

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-3\frac{2}{3}\right) \div \left(-1\frac{1}{5}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{6}{5}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{5}{6}\right) = \frac{55}{18} = 3\frac{1}{18}$$

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

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

$$4. \quad \left(-4\frac{1}{2}\right) \div 2\frac{1}{3} = \left(-\frac{9}{2}\right) \div \frac{7}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{7} = \left(-\frac{27}{14}\right) = \left(-2\frac{13}{14}\right)$$

$$5. \quad \left(-3\frac{1}{2}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{3}{11}\right) = \frac{21}{22}$$

$$6. \quad \left(-3\frac{1}{3}\right) \div \frac{3}{4} = \left(-\frac{10}{3}\right) \div \frac{3}{4} = \left(-\frac{10}{3}\right) \times \frac{4}{3} = \left(-\frac{40}{9}\right) = \left(-5\frac{4}{9}\right)$$

$$7. \quad \left(-4\frac{1}{2}\right) \div 2\frac{2}{3} = \left(-\frac{9}{2}\right) \div \frac{8}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{8} = \left(-\frac{27}{16}\right) = \left(-2\frac{11}{16}\right)$$

$$8. \quad \left(-3\frac{1}{4}\right) \div \frac{2}{3} = \left(-\frac{13}{4}\right) \div \frac{2}{3} = \left(-\frac{13}{4}\right) \times \frac{3}{2} = \left(-\frac{39}{8}\right) = \left(-5\frac{7}{8}\right)$$

$$9. \quad 3\frac{3}{4} \div \left(-2\frac{4}{5}\right) = \frac{15}{4} \div \left(-\frac{14}{5}\right) = \frac{15}{4} \times \left(-\frac{5}{14}\right) = \left(-\frac{75}{56}\right) = \left(-2\frac{19}{56}\right)$$

$$10. \quad 2\frac{2}{3} \div \left(-2\frac{1}{2}\right) = \frac{8}{3} \div \left(-\frac{5}{2}\right) = \frac{8}{3} \times \left(-\frac{2}{5}\right) = \left(-\frac{16}{15}\right) = \left(-2\frac{1}{15}\right)$$

## Dividing Negative Mixed Fractions (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-2\frac{2}{3}\right) \div 2\frac{1}{2} = \left(-\frac{8}{3}\right) \div \frac{5}{2} = \left(-\frac{8}{3}\right) \times \frac{2}{5} = \left(-\frac{16}{15}\right) = \left(-2\frac{1}{15}\right)$$

$$2. \quad \left(-4\frac{2}{3}\right) \div \left(-2\frac{3}{4}\right) = \left(-\frac{14}{3}\right) \div \left(-\frac{11}{4}\right) = \left(-\frac{14}{3}\right) \times \left(-\frac{4}{11}\right) = \frac{56}{33} = 1\frac{23}{33}$$

$$3. \quad \left(-1\frac{1}{6}\right) \div \left(-2\frac{2}{5}\right) = \left(-\frac{7}{6}\right) \div \left(-\frac{12}{5}\right) = \left(-\frac{7}{6}\right) \times \left(-\frac{5}{12}\right) = \frac{35}{72}$$

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

$$5. \quad \left(-2\frac{3}{4}\right) \div \left(-2\frac{2}{3}\right) = \left(-\frac{11}{4}\right) \div \left(-\frac{8}{3}\right) = \left(-\frac{11}{4}\right) \times \left(-\frac{3}{8}\right) = \frac{33}{32} = 1\frac{1}{32}$$

$$6. \quad \left(-4\frac{1}{3}\right) \div \left(-4\frac{2}{5}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{22}{5}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{5}{22}\right) = \frac{65}{66}$$

$$7. \quad \left(-2\frac{1}{2}\right) \div 1\frac{2}{5} = \left(-\frac{5}{2}\right) \div \frac{7}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{7} = \left(-\frac{25}{14}\right) = \left(-2\frac{11}{14}\right)$$

$$8. \quad \left(-4\frac{1}{2}\right) \div 3\frac{2}{5} = \left(-\frac{9}{2}\right) \div \frac{17}{5} = \left(-\frac{9}{2}\right) \times \frac{5}{17} = \left(-\frac{45}{34}\right) = \left(-2\frac{11}{34}\right)$$

$$9. \quad \left(-3\frac{1}{4}\right) \div \left(-4\frac{2}{3}\right) = \left(-\frac{13}{4}\right) \div \left(-\frac{14}{3}\right) = \left(-\frac{13}{4}\right) \times \left(-\frac{3}{14}\right) = \frac{39}{56}$$

$$10. \quad 1\frac{2}{5} \div \left(-2\frac{2}{3}\right) = \frac{7}{5} \div \left(-\frac{8}{3}\right) = \frac{7}{5} \times \left(-\frac{3}{8}\right) = \left(-\frac{21}{40}\right)$$

## Dividing Negative Mixed Fractions (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-4\frac{2}{3}\right) \div 2\frac{3}{4} = \left(-\frac{14}{3}\right) \div \frac{11}{4} = \left(-\frac{14}{3}\right) \times \frac{4}{11} = \left(-\frac{56}{33}\right) = \left(-2\frac{23}{33}\right)$$

$$2. \quad 2\frac{2}{5} \div \left(-4\frac{1}{6}\right) = \frac{12}{5} \div \left(-\frac{25}{6}\right) = \frac{12}{5} \times \left(-\frac{6}{25}\right) = \left(-\frac{72}{125}\right)$$

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

$$4. \quad 2\frac{2}{3} \div \left(-2\frac{1}{2}\right) = \frac{8}{3} \div \left(-\frac{5}{2}\right) = \frac{8}{3} \times \left(-\frac{2}{5}\right) = \left(-\frac{16}{15}\right) = \left(-2\frac{1}{15}\right)$$

$$5. \quad \left(-3\frac{1}{2}\right) \div \left(-4\frac{4}{5}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{24}{5}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{5}{24}\right) = \frac{35}{48}$$

$$6. \quad \frac{1}{4} \div \left(-2\frac{1}{3}\right) = \frac{1}{4} \div \left(-\frac{7}{3}\right) = \frac{1}{4} \times \left(-\frac{3}{7}\right) = \left(-\frac{3}{28}\right)$$

$$7. \quad \left(-1\frac{1}{6}\right) \div \left(-4\frac{3}{5}\right) = \left(-\frac{7}{6}\right) \div \left(-\frac{23}{5}\right) = \left(-\frac{7}{6}\right) \times \left(-\frac{5}{23}\right) = \frac{35}{138}$$

$$8. \quad \left(-3\frac{5}{6}\right) \div \left(-3\frac{2}{5}\right) = \left(-\frac{23}{6}\right) \div \left(-\frac{17}{5}\right) = \left(-\frac{23}{6}\right) \times \left(-\frac{5}{17}\right) = \frac{115}{102} = 1\frac{13}{102}$$

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

$$10. \quad \frac{2}{5} \div \left(-2\frac{5}{6}\right) = \frac{2}{5} \div \left(-\frac{17}{6}\right) = \frac{2}{5} \times \left(-\frac{6}{17}\right) = \left(-\frac{12}{85}\right)$$

## Dividing Negative Mixed Fractions (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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



## Dividing Negative Mixed Fractions (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \left(-4\frac{5}{6}\right) \div \left(-3\frac{1}{5}\right) = \left(-\frac{29}{6}\right) \div \left(-\frac{16}{5}\right) = \left(-\frac{29}{6}\right) \times \left(-\frac{5}{16}\right) = \frac{145}{96} = 1\frac{49}{96}$$

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

$$3. \left(-2\frac{3}{5}\right) \div \left(-4\frac{2}{3}\right) = \left(-\frac{13}{5}\right) \div \left(-\frac{14}{3}\right) = \left(-\frac{13}{5}\right) \times \left(-\frac{3}{14}\right) = \frac{39}{70}$$

$$4. \left(-2\frac{3}{4}\right) \div \left(-1\frac{1}{3}\right) = \left(-\frac{11}{4}\right) \div \left(-\frac{4}{3}\right) = \left(-\frac{11}{4}\right) \times \left(-\frac{3}{4}\right) = \frac{33}{16} = 2\frac{1}{16}$$

$$5. \left(-3\frac{3}{5}\right) \div 3\frac{2}{3} = \left(-\frac{18}{5}\right) \div \frac{11}{3} = \left(-\frac{18}{5}\right) \times \frac{3}{11} = \left(-\frac{54}{55}\right)$$

$$6. \left(-3\frac{4}{5}\right) \div 3\frac{1}{2} = \left(-\frac{19}{5}\right) \div \frac{7}{2} = \left(-\frac{19}{5}\right) \times \frac{2}{7} = \left(-\frac{38}{35}\right) = \left(-2\frac{3}{35}\right)$$

$$7. 2\frac{3}{5} \div \left(-3\frac{1}{2}\right) = \frac{13}{5} \div \left(-\frac{7}{2}\right) = \frac{13}{5} \times \left(-\frac{2}{7}\right) = \left(-\frac{26}{35}\right)$$

$$8. \left(-4\frac{1}{3}\right) \div \left(-2\frac{2}{5}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{12}{5}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{5}{12}\right) = \frac{65}{36} = 1\frac{29}{36}$$

$$9. \left(-3\frac{5}{6}\right) \div 3\frac{2}{5} = \left(-\frac{23}{6}\right) \div \frac{17}{5} = \left(-\frac{23}{6}\right) \times \frac{5}{17} = \left(-\frac{115}{102}\right) = \left(-2\frac{13}{102}\right)$$

$$10. 3\frac{1}{2} \div \left(-2\frac{2}{3}\right) = \frac{7}{2} \div \left(-\frac{8}{3}\right) = \frac{7}{2} \times \left(-\frac{3}{8}\right) = \left(-\frac{21}{16}\right) = \left(-2\frac{5}{16}\right)$$

## Dividing Negative Mixed Fractions (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \left(-4\frac{1}{2}\right) \div \left(-3\frac{2}{5}\right) = \left(-\frac{9}{2}\right) \div \left(-\frac{17}{5}\right) = \left(-\frac{9}{2}\right) \times \left(-\frac{5}{17}\right) = \frac{45}{34} = 1\frac{11}{34}$$

$$2. \left(-3\frac{2}{3}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{2}{5}\right) = \frac{22}{15} = 1\frac{7}{15}$$

$$3. \left(-4\frac{3}{5}\right) \div \left(-2\frac{1}{6}\right) = \left(-\frac{23}{5}\right) \div \left(-\frac{13}{6}\right) = \left(-\frac{23}{5}\right) \times \left(-\frac{6}{13}\right) = \frac{138}{65} = 2\frac{8}{65}$$

$$4. \left(-4\frac{4}{5}\right) \div \left(-2\frac{5}{6}\right) = \left(-\frac{24}{5}\right) \div \left(-\frac{17}{6}\right) = \left(-\frac{24}{5}\right) \times \left(-\frac{6}{17}\right) = \frac{144}{85} = 1\frac{59}{85}$$

$$5. 1\frac{1}{2} \div \left(-4\frac{1}{3}\right) = \frac{3}{2} \div \left(-\frac{13}{3}\right) = \frac{3}{2} \times \left(-\frac{3}{13}\right) = \left(-\frac{9}{26}\right)$$

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

$$7. \left(-1\frac{4}{5}\right) \div \left(-2\frac{1}{3}\right) = \left(-\frac{9}{5}\right) \div \left(-\frac{7}{3}\right) = \left(-\frac{9}{5}\right) \times \left(-\frac{3}{7}\right) = \frac{27}{35}$$

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

$$9. \left(-4\frac{1}{4}\right) \div 2\frac{2}{3} = \left(-\frac{17}{4}\right) \div \frac{8}{3} = \left(-\frac{17}{4}\right) \times \frac{3}{8} = \left(-\frac{51}{32}\right) = \left(-2\frac{19}{32}\right)$$

$$10. 2\frac{1}{3} \div \left(-4\frac{1}{2}\right) = \frac{7}{3} \div \left(-\frac{9}{2}\right) = \frac{7}{3} \times \left(-\frac{2}{9}\right) = \left(-\frac{14}{27}\right)$$

## Dividing Negative Mixed Fractions (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-3\frac{4}{5}\right) \div 1\frac{1}{6} = \left(-\frac{19}{5}\right) \div \frac{7}{6} = \left(-\frac{19}{5}\right) \times \frac{6}{7} = \left(-\frac{114}{35}\right) = \left(-4\frac{9}{35}\right)$$

$$2. \quad \left(-2\frac{1}{3}\right) \div 3\frac{1}{4} = \left(-\frac{7}{3}\right) \div \frac{13}{4} = \left(-\frac{7}{3}\right) \times \frac{4}{13} = \left(-\frac{28}{39}\right)$$

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

$$4. \quad 2\frac{1}{2} \div \left(-4\frac{4}{5}\right) = \frac{5}{2} \div \left(-\frac{24}{5}\right) = \frac{5}{2} \times \left(-\frac{5}{24}\right) = \left(-\frac{25}{48}\right)$$

$$5. \quad 1\frac{1}{3} \div \left(-3\frac{3}{4}\right) = \frac{4}{3} \div \left(-\frac{15}{4}\right) = \frac{4}{3} \times \left(-\frac{4}{15}\right) = \left(-\frac{16}{45}\right)$$

$$6. \quad \left(-4\frac{1}{3}\right) \div \left(-4\frac{1}{2}\right) = \left(-\frac{13}{3}\right) \div \left(-\frac{9}{2}\right) = \left(-\frac{13}{3}\right) \times \left(-\frac{2}{9}\right) = \frac{26}{27}$$

$$7. \quad \left(-3\frac{3}{4}\right) \div 2\frac{4}{5} = \left(-\frac{15}{4}\right) \div \frac{14}{5} = \left(-\frac{15}{4}\right) \times \frac{5}{14} = \left(-\frac{75}{56}\right) = \left(-2\frac{19}{56}\right)$$

$$8. \quad \left(-2\frac{1}{2}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{5}{2}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{5}{2}\right) \times \left(-\frac{3}{11}\right) = \frac{15}{22}$$

$$9. \quad \left(-2\frac{3}{5}\right) \div \frac{1}{2} = \left(-\frac{13}{5}\right) \div \frac{1}{2} = \left(-\frac{13}{5}\right) \times \frac{2}{1} = \left(-\frac{26}{5}\right) = \left(-6\frac{1}{5}\right)$$

$$10. \quad 2\frac{1}{3} \div \left(-3\frac{2}{5}\right) = \frac{7}{3} \div \left(-\frac{17}{5}\right) = \frac{7}{3} \times \left(-\frac{5}{17}\right) = \left(-\frac{35}{51}\right)$$

## Dividing Negative Mixed Fractions (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

$$10. \left(-2\frac{2}{5}\right) \div 1\frac{1}{6} = \underline{\quad} \div \underline{\quad} = \underline{\quad} \times \underline{\quad} = \underline{\quad} = \underline{\quad}$$

## Dividing Negative Mixed Fractions (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-3\frac{4}{5}\right) \div \left(-1\frac{1}{2}\right) = \left(-\frac{19}{5}\right) \div \left(-\frac{3}{2}\right) = \left(-\frac{19}{5}\right) \times \left(-\frac{2}{3}\right) = \frac{38}{15} = 2\frac{8}{15}$$

$$2. \quad \left(-1\frac{2}{5}\right) \div \left(-2\frac{1}{2}\right) = \left(-\frac{7}{5}\right) \div \left(-\frac{5}{2}\right) = \left(-\frac{7}{5}\right) \times \left(-\frac{2}{5}\right) = \frac{14}{25}$$

$$3. \quad \left(-4\frac{1}{6}\right) \div 3\frac{4}{5} = \left(-\frac{25}{6}\right) \div \frac{19}{5} = \left(-\frac{25}{6}\right) \times \frac{5}{19} = \left(-\frac{125}{114}\right) = \left(-2\frac{11}{114}\right)$$

$$4. \quad \left(-3\frac{2}{3}\right) \div \left(-4\frac{1}{5}\right) = \left(-\frac{11}{3}\right) \div \left(-\frac{21}{5}\right) = \left(-\frac{11}{3}\right) \times \left(-\frac{5}{21}\right) = \frac{55}{63}$$

$$5. \quad \frac{4}{5} \div \left(-3\frac{2}{3}\right) = \frac{4}{5} \div \left(-\frac{11}{3}\right) = \frac{4}{5} \times \left(-\frac{3}{11}\right) = \left(-\frac{12}{55}\right)$$

$$6. \quad \left(-3\frac{1}{3}\right) \div 1\frac{1}{2} = \left(-\frac{10}{3}\right) \div \frac{3}{2} = \left(-\frac{10}{3}\right) \times \frac{2}{3} = \left(-\frac{20}{9}\right) = \left(-3\frac{2}{9}\right)$$

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

$$8. \quad 2\frac{1}{2} \div \left(-3\frac{2}{5}\right) = \frac{5}{2} \div \left(-\frac{17}{5}\right) = \frac{5}{2} \times \left(-\frac{5}{17}\right) = \left(-\frac{25}{34}\right)$$

$$9. \quad \left(-2\frac{1}{2}\right) \div 2\frac{1}{3} = \left(-\frac{5}{2}\right) \div \frac{7}{3} = \left(-\frac{5}{2}\right) \times \frac{3}{7} = \left(-\frac{15}{14}\right) = \left(-2\frac{1}{14}\right)$$

$$10. \quad \left(-2\frac{2}{5}\right) \div 1\frac{1}{6} = \left(-\frac{12}{5}\right) \div \frac{7}{6} = \left(-\frac{12}{5}\right) \times \frac{6}{7} = \left(-\frac{72}{35}\right) = \left(-3\frac{2}{35}\right)$$



## Dividing Negative Mixed Fractions (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

10.  $3\frac{4}{5} \div \left(-3\frac{3}{4}\right) = \text{---} \div \text{---} = \text{---} \times \text{---} = \text{---} = \text{---}$

## Dividing Negative Mixed Fractions (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-3\frac{1}{4}\right) \div 1\frac{3}{5} = \left(-\frac{13}{4}\right) \div \frac{8}{5} = \left(-\frac{13}{4}\right) \times \frac{5}{8} = \left(-\frac{65}{32}\right) = \left(-3\frac{1}{32}\right)$$

$$2. \quad 1\frac{1}{2} \div \left(-4\frac{3}{5}\right) = \frac{3}{2} \div \left(-\frac{23}{5}\right) = \frac{3}{2} \times \left(-\frac{5}{23}\right) = \left(-\frac{15}{46}\right)$$

$$3. \quad 1\frac{1}{5} \div \left(-3\frac{2}{3}\right) = \frac{6}{5} \div \left(-\frac{11}{3}\right) = \frac{6}{5} \times \left(-\frac{3}{11}\right) = \left(-\frac{18}{55}\right)$$

$$4. \quad 3\frac{1}{3} \div \left(-3\frac{2}{5}\right) = \frac{10}{3} \div \left(-\frac{17}{5}\right) = \frac{10}{3} \times \left(-\frac{5}{17}\right) = \left(-\frac{50}{51}\right)$$

$$5. \quad \left(-1\frac{1}{5}\right) \div \left(-4\frac{3}{4}\right) = \left(-\frac{6}{5}\right) \div \left(-\frac{19}{4}\right) = \left(-\frac{6}{5}\right) \times \left(-\frac{4}{19}\right) = \frac{24}{95}$$

$$6. \quad \left(-3\frac{1}{2}\right) \div \left(-3\frac{2}{3}\right) = \left(-\frac{7}{2}\right) \div \left(-\frac{11}{3}\right) = \left(-\frac{7}{2}\right) \times \left(-\frac{3}{11}\right) = \frac{21}{22}$$

$$7. \quad \left(-4\frac{2}{3}\right) \div \left(-4\frac{3}{4}\right) = \left(-\frac{14}{3}\right) \div \left(-\frac{19}{4}\right) = \left(-\frac{14}{3}\right) \times \left(-\frac{4}{19}\right) = \frac{56}{57}$$

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

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

$$10. \quad 3\frac{4}{5} \div \left(-3\frac{3}{4}\right) = \frac{19}{5} \div \left(-\frac{15}{4}\right) = \frac{19}{5} \times \left(-\frac{4}{15}\right) = \left(-\frac{76}{75}\right) = \left(-2\frac{1}{75}\right)$$

## Dividing Negative Mixed Fractions (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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

## Dividing Negative Mixed Fractions (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each quotient.

$$1. \quad \left(-2\frac{1}{2}\right) \div 1\frac{2}{5} = \left(-\frac{5}{2}\right) \div \frac{7}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{7} = \left(-\frac{25}{14}\right) = \left(-2\frac{11}{14}\right)$$

$$2. \quad \left(-4\frac{1}{6}\right) \div 2\frac{3}{5} = \left(-\frac{25}{6}\right) \div \frac{13}{5} = \left(-\frac{25}{6}\right) \times \frac{5}{13} = \left(-\frac{125}{78}\right) = \left(-2\frac{47}{78}\right)$$

$$3. \quad \left(-4\frac{1}{2}\right) \div 3\frac{1}{3} = \left(-\frac{9}{2}\right) \div \frac{10}{3} = \left(-\frac{9}{2}\right) \times \frac{3}{10} = \left(-\frac{27}{20}\right) = \left(-2\frac{7}{20}\right)$$

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

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

$$6. \quad \left(-4\frac{3}{5}\right) \div 1\frac{1}{2} = \left(-\frac{23}{5}\right) \div \frac{3}{2} = \left(-\frac{23}{5}\right) \times \frac{2}{3} = \left(-\frac{46}{15}\right) = \left(-4\frac{1}{15}\right)$$

$$7. \quad \left(-2\frac{1}{2}\right) \div 2\frac{3}{5} = \left(-\frac{5}{2}\right) \div \frac{13}{5} = \left(-\frac{5}{2}\right) \times \frac{5}{13} = \left(-\frac{25}{26}\right)$$

$$8. \quad 3\frac{3}{5} \div \left(-2\frac{1}{6}\right) = \frac{18}{5} \div \left(-\frac{13}{6}\right) = \frac{18}{5} \times \left(-\frac{6}{13}\right) = \left(-\frac{108}{65}\right) = \left(-2\frac{43}{65}\right)$$

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

$$10. \quad \left(-4\frac{4}{5}\right) \div 3\frac{2}{3} = \left(-\frac{24}{5}\right) \div \frac{11}{3} = \left(-\frac{24}{5}\right) \times \frac{3}{11} = \left(-\frac{72}{55}\right) = \left(-2\frac{17}{55}\right)$$