

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

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Calculate each quotient.

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

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

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

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

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

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

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

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

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

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