

## 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: \_\_\_\_\_

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

Calculate each quotient.

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

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

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

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

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

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

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

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

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

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