

Multiplying Negative Mixed Fractions (J)

Name: _____

Date: _____

Score: _____

Calculate each product.

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

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

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

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

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

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

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

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

9. $1\frac{2}{5} \times \left(-2\frac{4}{6}\right) =$

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

Multiplying Negative Mixed Fractions (J) Answers

Name: _____

Date: _____

Score: _____

Calculate each product.

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

$$2. \quad \left(-1\frac{1}{6}\right) \times \left(-4\frac{3}{4}\right) = \left(-\frac{7}{6}\right) \times \left(-\frac{19}{4}\right) = \frac{133}{24} = 5\frac{13}{24}$$

$$3. \quad \left(-1\frac{2}{3}\right) \times \frac{1}{4} = \left(-\frac{5}{3}\right) \times \frac{1}{4} = \left(-\frac{5}{12}\right)$$

$$4. \quad \frac{1}{4} \times \left(-3\frac{3}{6}\right) = \frac{1}{4} \times \left(-\frac{21}{6}\right) = \left(-\frac{21}{24}\right) = \left(-\frac{7}{8}\right)$$

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

$$6. \quad 5\frac{2}{5} \times \left(-1\frac{3}{5}\right) = \frac{27}{5} \times \left(-\frac{8}{5}\right) = \left(-\frac{216}{25}\right) = \left(-8\frac{16}{25}\right)$$

$$7. \quad \left(-4\frac{5}{6}\right) \times 1\frac{5}{6} = \left(-\frac{29}{6}\right) \times \frac{11}{6} = \left(-\frac{319}{36}\right) = \left(-8\frac{31}{36}\right)$$

$$8. \quad \left(-1\frac{1}{4}\right) \times \left(-3\frac{2}{3}\right) = \left(-\frac{5}{4}\right) \times \left(-\frac{11}{3}\right) = \frac{55}{12} = 4\frac{7}{12}$$

$$9. \quad 1\frac{2}{5} \times \left(-2\frac{4}{6}\right) = \frac{7}{5} \times \left(-\frac{16}{6}\right) = \left(-\frac{112}{30}\right) = \left(-\frac{56}{15}\right) = \left(-3\frac{11}{15}\right)$$

$$10. \quad 1\frac{3}{5} \times \left(-5\frac{1}{5}\right) = \frac{8}{5} \times \left(-\frac{26}{5}\right) = \left(-\frac{208}{25}\right) = \left(-8\frac{8}{25}\right)$$