

Multiplying & Dividing Fractions

(Warm-Up) Find each product.

1) $\frac{1}{2} \times \frac{1}{2}$

2) $\frac{4}{5} \times \frac{1}{2}$

3) $\left(3\frac{3}{5}\right)\left(\frac{1}{2}\right)$

4) $\left(\frac{4}{3}\right)\left(\frac{5}{4}\right)$

5) $1\frac{4}{5} \cdot \frac{4}{3}$

6) $4 \cdot \frac{6}{5}$

(Warm-Up) Find each quotient.

7) $\frac{3}{5} \div \frac{2}{3}$

8) $\frac{3}{2} \div \frac{5}{4}$

9) $\frac{3}{5} \div 2\frac{3}{5}$

10) $2\frac{3}{4} \div \frac{3}{5}$

Developing: Find each product.

$$11) -\frac{3}{7} \times -\frac{7}{4}$$

$$12) \frac{9}{5} \times -\frac{11}{8}$$

$$13) -\frac{3}{8} \times \frac{4}{5}$$

$$14) 1\frac{2}{3} \times -\frac{6}{7}$$

$$15) -3\frac{1}{2} \times \frac{7}{8}$$

$$16) -2 \times \frac{7}{6}$$

Find each quotient.

$$17) \frac{-8}{5} \div \frac{-2}{5}$$

$$18) \frac{-1}{2} \div \frac{5}{4}$$

$$19) -2\frac{4}{7} \div \frac{2}{3}$$

$$20) \frac{1}{3} \div -2\frac{5}{6}$$

$$21) -1\frac{7}{8} \div -2\frac{3}{8}$$

$$22) 1\frac{1}{2} \div -2\frac{1}{2}$$

Proficient: Find each product.

$$23) 3\left(-\frac{9}{8}\right)$$

$$24) \left(1\frac{4}{5}\right)\left(-\frac{4}{3}\right)$$

$$25) \left(-3\frac{2}{9}\right)\left(\frac{3}{7}\right)$$

$$26) \left(1\frac{3}{4}\right)\left(-\frac{7}{5}\right)$$

$$27) \left(2\frac{1}{2}\right)\left(-\frac{2}{3}\right)$$

$$28) \left(-3\frac{7}{9}\right)\left(-\frac{9}{5}\right)$$

Find each quotient.

$$29) \frac{-1}{2} \div \frac{1}{10}$$

$$30) -1\frac{7}{10} \div \frac{-4}{5}$$

$$31) 4\frac{5}{6} \div \frac{-16}{9}$$

$$32) \frac{3}{2} \div -1$$

$$33) \frac{-4}{3} \div -3\frac{1}{10}$$

$$34) \frac{-17}{10} \div \frac{5}{4}$$

Extending: Find each product.

$$35) \left(-3\frac{3}{8}\right)\left(1\frac{4}{7}\right)\left(-\frac{2}{5}\right)$$

$$36) (2)\left(-2\frac{1}{2}\right)\left(\frac{1}{6}\right)$$

$$37) (-2)\left(\frac{3}{4}\right)\left(-\frac{1}{5}\right)$$

$$38) \left(-2\frac{1}{6}\right)(2)\left(-\frac{7}{4}\right)\left(-\frac{4}{7}\right)$$

$$39) \left(1\frac{1}{3}\right)(5)\left(-\frac{1}{2}\right)\left(-\frac{7}{6}\right)$$

$$40) \left(3\frac{1}{2}\right)\left(-3\frac{2}{5}\right)\left(\frac{7}{8}\right)\left(-\frac{13}{7}\right)$$

Find each quotient.

$$41) -2\frac{3}{8} \div 5\frac{2}{5}$$

$$42) 1 \div \frac{-3}{7}$$

$$43) \frac{4\frac{1}{5}}{-3\frac{4}{5}}$$

$$44) \frac{-1\frac{1}{10}}{2}$$

$$45) \frac{\frac{7}{5}}{-9}$$

$$46) \frac{-\frac{3}{4}}{5\frac{3}{10}}$$