

Section 1.4 Focus Exercises

1. Evaluate each product.

a) $6 \cdot (-5) =$ b) $3 \cdot (-12) =$ c) $7 \cdot (-8) =$ d) $4 \cdot (-1) =$

e) $-1 \cdot 5 =$ f) $-6 \cdot 3 =$ g) $-4 \cdot 3 =$ h) $-13 \cdot 2 =$

i) $-8 \cdot (-2) =$ j) $-10 \cdot (-4) =$ k) $-5 \cdot (-3) =$ l) $-9 \cdot (-1) =$

2. Multiply. First decide whether the product will be positive or negative then multiply their numerical values.

a) $(4)(3)(-2) =$ b) $(-3)(-2)(-1)(8) =$

c) $(-6)(-1)(8) =$ d) $(-3)(-3)(-2)(-5) =$

e) $(-5)(-2)(-9) =$ f) $(-6)(5)(-1)(7) =$

g) $(-2)(10)(-4) =$ h) $(8)(-5)(-2)(-5) =$

3. First decide whether the quotient will be positive or negative then divide their numerical values.

a) $-30 \div 5 =$ b) $45 \div (-9) =$ c) $-36 \div (-6) =$

d) $\frac{50}{-5} =$ e) $\frac{-60}{12} =$ f) $\frac{-40}{-10} =$

4. Evaluate and simplify by *first* deciding whether the end result will be positive or negative.

a) $\frac{-8}{5} \cdot \frac{2}{-3} =$

b) $\frac{-4}{-3} \cdot \frac{9}{8} =$

c) $\frac{-2}{5} \cdot \frac{-15}{-4} =$

d) $\frac{-9}{-3} \cdot \frac{-2}{-5} =$

e) $\frac{12}{7} \div \frac{-6}{35} =$

f) $\frac{-8}{10} \div \frac{4}{-3} =$

g) $\frac{-6}{-9} \div \frac{2}{-3} =$

h) $\frac{-16}{-15} \div \frac{-4}{-3} =$