

Section 1.3 Focus Exercises

1. Rewrite each subtraction as addition. Then, evaluate the sum.

a) $10 - 3 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ b) $15 - 5 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

c) $8 - 12 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ d) $9 - 9 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

e) $-2 - 4 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ f) $-6 - 9 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

g) $3 - 8 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ h) $-16 - 1 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

2. Use the Commutative Property to rewrite each of these. Then, evaluate the expression.

a) $7 - 4 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ b) $2 - 12 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

c) $-3 + 6 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ d) $-9 - 1 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

e) $-10 - 8 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ f) $8 - 20 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

g) $-15 + 51 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ h) $22 - 29 = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

3. Rewrite each expression into words using *and* and *the opposite of*. Then, rewrite the expression as a **sum** and **evaluate**.

a) $8 - (-10) = \underline{\hspace{4cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

b) $-3 - (-4) = \underline{\hspace{4cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

c) $7 - (-9) = \underline{\hspace{4cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

d) $-9 - (-4) = \underline{\hspace{4cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

e) $-12 - (-7) = \underline{\hspace{4cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

f) $-6 - (-6) = \underline{\hspace{4cm}} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

4. Rewrite each subtraction as addition. Then, evaluate the sum.

a) $2 - (-7) = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ b) $12 - (-2) = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

c) $-3 - (-5) = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ d) $-6 - (-7) = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

e) $-4 - (-4) = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$ f) $0 - (-10) = \underline{\hspace{2cm}} = \underline{\hspace{1cm}}$

5. Evaluate each expression.

a) $1.4 + (-0.6) =$

b) $2.5 - 8.0 =$

c) $1.6 - 2.3 =$

d) $1.9 + (-3.0) =$

e) $-2.2 + (-7.1) =$

f) $-5.1 - 2.3 =$

g) $-0.35 - 0.9 =$

h) $-2.6 - (-0.08) =$

i) $\frac{7}{9} - \frac{2}{9} =$

j) $-\frac{8}{11} - \frac{2}{11} =$

k) $-\frac{3}{25} + \frac{14}{25} =$

l) $\frac{6}{7} - \frac{12}{7} =$

m) $\frac{6}{13} - \left(-\frac{3}{13}\right) =$

n) $-\frac{8}{14} - \left(-\frac{3}{14}\right) =$

o) $-\frac{1}{11} - \left(-\frac{14}{11}\right) =$

p) $\frac{4}{21} - \left(-\frac{13}{21}\right) =$

6. Marla has only \$23 in her checking account, and she writes a check for \$35. How much is her new balance?

Numerical expression:

Sentence: _____

7. Tom is being foolish by writing too many checks when he doesn't have enough money. His check register had a balance of -\$64 when he wrote a check for \$36. What is his balance now?

Numerical expression:

Sentence: _____

8. At midnight the outside temperature was -6° . By noon the temperature had risen 13° . What was the temperature at noon?

Numerical expression:

Sentence: _____

9. At 3:00 p.m. the outside temperature was -2° . By 10:00 p.m. the temperature had dropped 15° . What was the temperature at 10:00 p.m.?

Numerical expression:

Sentence: _____