All Operations with Integers (A)

Use an integer strategy to find each answer.

(-5) + (-4) =	(-4) × (-7) =	(+6) - (-2) =
(-3) + (+1) =	(-18) ÷ (-6) =	(-1) × (+5) =
(-2) × (-7) =	(+8) × (+3) =	(+9) + (-3) =
(+3) × (-1) =	(-4) - (-1) =	(+6) + (-5) =
(-3) + (+9) =	(-5) × (+3) =	(-3) ÷ (+3) =
(-3) × (+3) =	(-3) + (-6) =	(+8) + (-9) =
(-5) × (+5) =	(-8) - (+6) =	(-7) - (-3) =
(+1) - (-9) =	(+8) × (+4) =	(-4) + (-5) =
(+8) - (-2) =	(-9) + (-4) =	(+6) × (+3) =
(-7) - (+2) =	(+2) × (-4) =	(+3) + (-8) =

All Operations with Integers (A) Answers

Use an integer strategy to find each answer.

(-5) + (-4) = (-9)	(-4) × (-7) = (+28)	(+6) - (-2) = (+8)
(-3) + (+1) = (-2)	(-18) ÷ (-6) = (+3)	(-1) × (+5) = (-5)
(-2) × (-7) = (+14)	(+8) × (+3) = (+24)	(+9) + (-3) = (+6)
(+3) × (-1) = (-3)	(-4) - (-1) = (-3)	(+6) + (-5) = (+1)
(-3) + (+9) = (+6)	(-5) × (+3) = (-15)	(-3) ÷ (+3) = (-1)
(-3) × (+3) = (-9)	(-3) + (-6) = (-9)	(+8) + (-9) = (-1)
(-5) × (+5) = (-25)	(-8) - (+6) = (-14)	(-7) - (-3) = (-4)
(+1) - (-9) = (+10)	(+8) × (+4) = (+32)	(-4) + (-5) = (-9)
(+8) - (-2) = (+10)	(-9) + (-4) = (-13)	(+6) × (+3) = (+18)
(-7) - (+2) = (-9)	(+2) × (-4) = (-8)	(+3) + (-8) = (-5)

Homework

1. Simplify. Use order of operations.

a) $5-(3-4)$ b) $(5-7)-(3-4)$ c) $-3(4)-(5-7)$

d) $(3)(2)-(3+5)$ e) $-(5-9)-(-2)(2)$ f) $(4-5)-2(3-4)$

g) $(4-2)-(-8+4)$ h) $(5^2\div 5)\times(7^2\div 7)$ i) $(-4^3\times 3)\div(3^2\div 3)$

2. Simplify.

a) $-13-25+9-16+3$ b) $1-8+17-3+14$ c) $-12-(-8)+(-7)$

d) $-(-7)-(19)+(-6)$ e) $3(-17)$ f) $-18(12)$

g) $4(-13)$ h) $-12(-13)$ i) $-3(-5)(-8)$

3. Evaluate the following.

a) $2(-3)^2-4(-2)$ b) $-4(-2)^2-3(-4)^2$ c) $(-3-2)^2-(2+4)^2$

d) $3(-1-2)-(5-7)^2$ e) $5(-2+1)^3-(-3-2)^2$ f) $5(-2)^2-3(-1-2)^3$

g) $\frac{-4(-6)}{-2}$ h) $\frac{14(-3)}{6}$ i) $\frac{-40}{8}-(-3)+2(-9)$

j) $\frac{-15+10-3^2}{12+(-10)}$ k) $[-2(3-9)]\div[(-2)(2)]$ l) $5(-6-7+2)-(-5)(-6)$

Answers

Order of Operations

1.

a) 6
b) −1
c) −10
d) −2
e) 8
f) 1
g) −4
h) 35
i) −64

2.

a) −42
b) 23
c) −11
d) −32
e) −51
f) −216
g) −52
h) 156
i) −120

3.

a) 26
b) −64
c) −11
d) −13
e) −30
f) −7
g) −12
h) −7
i) −21
j) −7
k) −3
l) −85