

Evaluating Integers

Sheet 1

1) Substitute $x = 10$; $y = -8$; $z = 3$ and evaluate each expression.

i) $2x + 4$

ii) $-(-12) + \frac{z}{6}$

iii) $-x - (-y) - 14$

2) Substitute $p = 9$; $q = -5$ and evaluate each expression.

i) $q - 11 + (-p)$

ii) $q + p$

iii) $\frac{3q}{p} - 5$

3) Substitute $a = -13$; $b = -9$; $c = 2$ and evaluate each expression.

i) $\frac{18}{c} + b - (-a)$

ii) $-(-2a) + 16$

iii) $-13c + b - a$

4) Substitute $s = 4$; $t = 18$ and evaluate each expression.

i) $3s - (-t) - 11$

ii) $\frac{8t}{s} - (-20)$

iii) $10 + s$

Answer key**Evaluating Integers**

Sheet 1

1) Substitute $x = 10$; $y = -8$; $z = 3$ and evaluate each expression.

i) $2x + 4$

24

ii) $-(-12) + \frac{z}{6}$

 $\frac{25}{2}$ or $12\frac{1}{2}$

iii) $-x - (-y) - 14$

-322) Substitute $p = 9$; $q = -5$ and evaluate each expression.

i) $q - 11 + (-p)$

-25

ii) $q + p$

4

iii) $\frac{3q}{p} - 5$

 $-\frac{20}{3}$ or $-6\frac{2}{3}$ 3) Substitute $a = -13$; $b = -9$; $c = 2$ and evaluate each expression.

i) $\frac{18}{c} + b - (-a)$

-13

ii) $-(-2a) + 16$

-10

iii) $-13c + b - a$

-224) Substitute $s = 4$; $t = 18$ and evaluate each expression.

i) $3s - (-t) - 11$

19

ii) $\frac{8t}{s} - (-20)$

56

iii) $10 + s$

14

Evaluating Integers

Sheet 2

1) Substitute $u = -9$; $v = 5$ and evaluate each expression.

i) $v + \frac{8u}{5} + 1$

ii) $v + (-16)$

iii) $-u - v$

2) Substitute $x = -$ _____ expression.

i) $-(-z) + 3$

iii) $-y - 15z + 6$

3) Substitute $m =$ _____

i) $\frac{5n}{9} - 8 + m$

iii) $m - 19$

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4) Substitute $p = -4$; $q = -16$; $r = -1$ and evaluate each expression.

i) $p - 15$

ii) $12 + 2r - (-p)$

iii) $-q + \frac{10r}{p}$

Answer key**Evaluating Integers**

Sheet 2

1) Substitute $u = -9$; $v = 5$ and evaluate each expression.

i) $v + \frac{8u}{5} + 1$

ii) $v + (-16)$

iii) $-u - v$

$-\frac{42}{5}$ or $-8\frac{2}{5}$

-11

4

2) Substitute $x = -$ _____ expression.

i) $-(-z) + 3$

iii) $-y - 15z + 6$

10

-117

3) Substitute $m =$ _____

i) $\frac{5n}{9} - 8 + m$

iii) $m - 19$

5

-6

4) Substitute $p = -4$; $q = -16$; $r = -1$ and evaluate each expression.

i) $p - 15$

ii) $12 + 2r - (-p)$

iii) $-q + \frac{10r}{p}$

-19

6

$\frac{37}{2}$ or $18\frac{1}{2}$

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Evaluating Integers

1) Substitute $a = -17$; $b = 1$; $c = -3$ and evaluate each expression.

i) $2a - 13b$

ii) $c - b - (-11)$

iii) $\frac{3a}{c} - b$

2) Substitute $u =$ _____ expression.

i) $v - 2w + \frac{w}{4}$

iii) $20 - (-u)$

3) Substitute $x =$ _____ on.

i) $-17 - 4y + ($

iii) $y + (-9)$

4) Substitute $c = 8$; $d = 6$ and evaluate each expression.

i) $\frac{3c}{2} - (-5)$

ii) $16 + d$

iii) $c - 2d$

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Answer key**Evaluating Integers**

Sheet 3

1) Substitute $a = -17$; $b = 1$; $c = -3$ and evaluate each expression.

i) $2a - 13b$

-47

ii) $c - b - (-11)$

7

iii) $\frac{3a}{c} - b$

162) Substitute $u =$ _____ expression.

i) $v - 2w + \frac{w}{4}$

 $\frac{49}{4}$ or $12\frac{1}{4}$ **PREVIEW**Access the largest collection of worksheets for just **\$19.95** per year!Members, please
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iii) $20 - (-u)$

323) Substitute $x =$ _____ on.

i) $-17 - 4y + ($

-83

iii) $y + (-9)$

104) Substitute $c = 8$; $d = 6$ and evaluate each expression.

i) $\frac{3c}{2} - (-5)$

17

ii) $16 + d$

22

iii) $c - 2d$

-4