

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