

# Mathematics

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(Chapter - 6) (Integers)

(Class - VI)

## Exercise 6.3

### Question 1:

Subtract:

(a)  $35 - (20)$

(b)  $72 - (90)$

(c)  $(-15) - (-18)$

(d)  $(-20) - (13)$

(e)  $23 - (-12)$

(f)  $(-32) - (-40)$

### Answer 1:

(a)  $35 - 20 = 15$

(b)  $72 - 90 = -18$

(c)  $(-15) - (-18) = -15 + 18 = 3$

(d)  $-20 - (13) = -20 - 13 = -33$

(e)  $23 - (-12) = 23 + 12 = 35$

(f)  $(-32) - (-40) = -32 + 40 = 8$

### Question 2:

Fill in the blanks with  $>$ ,  $<$  or  $=$  sign:

(a)  $(-3) + (-6)$  \_\_\_\_\_  $(-3) - (-6)$

(b)  $(-21) - (-10)$  \_\_\_\_\_  $(-31) + (-11)$

(c)  $45 - (-11)$  \_\_\_\_\_  $57 + (-4)$

(d)  $(-25) - (-42)$  \_\_\_\_\_  $(-42) - (-25)$

### Answer 2:

(a)  $(-3) + (-6) < (-3) - (-6)$

(b)  $(-21) - (-10) > (-31) + (-11)$

(c)  $45 - (-11) > 57 + (-4)$

(d)  $(-25) - (-42) > (-42) - (-25)$

### Question 3:

Fill in the blanks:

(a)  $(-8) + \underline{\hspace{1cm}} = 0$

(b)  $13 + \underline{\hspace{1cm}} = 0$

(c)  $12 + (-12) = \underline{\hspace{1cm}}$

(d)  $(-4) + \underline{\hspace{1cm}} = -12$

(e)  $\underline{\hspace{1cm}} - 15 = -10$

### Answer 3:

(a)  $(-8) + \underline{8} = 0$

(b)  $13 + \underline{(-13)} = 0$

(c)  $12 + (-12) = \underline{0}$

(d)  $(-4) + \underline{(-8)} = -12$

(e)  $\underline{5} - 15 = -10$

### Question 4:

Find:

(a)  $(-7) - 8 - (-25)$

(b)  $(-13) + 32 - 8 - 1$

(c)  $(-7) + (-8) + (-90)$

(d)  $50 - (-40) - (-2)$

### Answer 4:

(a)  $(-7) - 8 - (-25)$

$= -7 - 8 + 25$

$= -15 + 25$

$= 10$

(b)  $(-13) + 32 - 8 - 1$

$= -13 + 32 - 8 - 1$

$= 32 - 22$

$= 10$

(c)  $(-7) + (-8) + (-90)$

$= -7 - 8 - 90$

$= -105$

(d)  $50 - (-40) - (-2)$

$= 50 + 40 + 2$

$= 92$

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