

## Subtraction of Integers

### 1. Choose the correct option.

a. The predecessor of  $-498$  is

i)  $-497$

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ii)  $-499$

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iii)  $-498$

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iv)  $-495$

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### 2. Subtract the first integer from the second integer in the following

a.  $-200, -132$

b.  $-819, 419$

c.  $785, -325$

### 3. Write the next four integers in each of the following sequences.

a.  $30, -25, -20, -15,$

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b.  $12, 10, 8, 6,$

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c.  $19, 15, 11, 7,$

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d.  $3, -8, -13, -18,$

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### 4. Subtract the following Integers :-

a.  $(+5) - (+2)$

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b.  $(-5) - (-2)$

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c.  $(+5) - (-2)$

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d.  $(-7) - (-3)$

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e.  $(+7) - (-3)$

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f.  $(-7) - (+3)$

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g.  $(+9) - (-4)$

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h.  $(-9) - (+4)$

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i.  $(-7) - (-2)$

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5. Put  $>$ ,  $<$  or  $=$ .

a.  $5 - (-4)$  \_\_\_\_\_  $4 - 7$

b.  $6 - (-2)$  \_\_\_\_\_  $3 - 4$

c.  $-(8) - (-3)$  \_\_\_\_\_  $7 - (-5)$

d.  $3 - (-2)$  \_\_\_\_\_  $9 - 5$

6. Out of 872 students of a school, 49 students were absent on Monday and 65 were absent on Thursday. Find the difference between the students present on the two days.

7. If  $a$  and  $b$  are two integers such that  $a$  is the predecessor of  $b$ . Find the value of  $a - b$ .

8. If  $a$  and  $b$  are two integers such that  $a$  is the successor of  $b$ . Find the value of  $a - b$ .

9. Subtract the sum of  $-1250$  and  $1238$  from the sum of  $1249$  and  $-1382$ .

10. Determine two integers whose sum is 4 and whose difference is 4.

11. Maximum temperature reported in a city was  $22.5^{\circ}\text{C}$  and the temperature fell by  $24.5^{\circ}\text{C}$ . What is the minimum temperature of the day?

12. Mt. Everest, the highest elevation in Asia, is 29,028 feet above sea level. The Dead Sea, the lowest elevation, is 1,312 feet below sea level. What is the difference between these two elevations?