Worksheet

1. What are integers? Is zero an integer?

2. Choose the correct option.

    a. Which among the following are positive integers?

     i. 624   ii. −325   iii. −435   iv. −120

    b. −9 is _____ than −8.

     i. >   ii. <   iii. =   iv. ≠

    c. If we add 1625 to − 625 we get

     i. 100   ii. 10000   iii. 1000   iv. 10

3. What is the successor and predecessor of −2?

4. Write the opposite of the following integers.

    a. 216   b. − 606   c. −100   d. −5

5. Compare the following using the signs > or <.

    a. 0, −15   b. 6, −12   c. −50, −15

6. Represent the given numbers on the number line.

    a. 55   b. 43   c. −43   d. −55

7. Write four consecutive negative integers less than −7.

8. Add the following.

    a. −15 and 12   b. −45 and −25   c. −25 and 15

9. Subtract the following.

    a. −7 from −9   b. −13 from 29   c. − 45 from −15

10. Simplify the following.

    a. $2[−4\{−3 + (9 × 3) + 5 − (3 × −9) − 27\} − 6]$

    b. $3[−2\{−5 + (15 ÷ 5) + (−16 × 2) − 8\} + 9]$

11. Find the absolute value of the following.

    a. −524   b. 623   c. − 852

12. By what number should 235 be multiplied to get −100580?

13. Divide the sum of 255 and 365 by −20.

14. By what number should the product of 25 and 125 be divided to get −125?

15. What should be subtracted from −256 to get −2564?

16. State true or false.

    a. On adding − 22 to 98 we get 120.

    b. 265 + (−258) × (−625) ÷ 25 gives −175.

Answers to Worksheet

1. Yes   2. a. i.   b. ii.   c. iii.
3. Successor = –1; Predecessor = –3
4. a. –216   b. 606   c. 100   d. 5
5. a. 0 > –15   b. 6 > –12   c. –50 < –15
7. a. –8, –9, –10, –11   8. a. –3   b. –70   c. –10
9. a. –2   b. 42   c. 30   10. a. –244   b. 279
11. a. 524   b. 623   c. 852   12. –428   13. –31
14. –25   15. 2308   16. a. False   b. False