Revision

Chapter-1 (Integers) Practice

1) Write down a pair of integers whose:
   a) Sum is -3 (b) difference is -5
   c) difference is 2 d) Sum is 0.

2) Find each of the following products:
   (i) $(-18) \times (-10) \times 9$ (ii) $(-20) \times (-2) \times (-5) \times 7$
   iii) $(-1) \times (-5) \times (-4) \times (-6)$

3) Verify $(-30) \times [13 + (-3)] = [(-30) \times 13] + [(-30) \times (-3)]$

4) In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer.
   (i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score?
   (ii) One of her friends gets only 5 answers correct. What will be her score?

5) Suppose we represent the distance above ground by a positive integer and that below the ground by a negative integer, then answer the following:
   (i) An elevator descends into a mine shaft at the rate of 5 m per minute. What will be its position after one hour?
   (ii) If it begin to descend from 15 m above ground, what will be its position after 45 minutes.

6) In a test $(+5)$ marks are given for every correct answer and (-2) marks are given for every incorrect answer.
   (i) Radhika answered all the questions and scored 30 marks though she got 10 correct answers (ii) Jay also

answered all the questions and scored (−12) marks though he got 4 correct answers.
How many incorrect answers had they attempted.

7) A shopkeeper earns a profit of Re 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock.
(i) In a particular month she incurs a loss of Rs. 5. In this period, she sold 45 pens. How many pencils did she sell in this period?
(ii) In the next month she earns neither profit nor loss. If she sold 70 pen, how many pencils did she sell?

8) What is the additive inverse of (−14)?

9) What is the successor of −1?

10) Find the product of (i) $9 \times (-3) \times (-6)$
(ii) $(-12) \times (-13) \times (-5)$

11) Subtract : (a) 63 from $(-100+7)$
(b) −222 from (−666)

12) Simplify : (a) $738 + (-98) + 100 - (-400)$
(b) $(-20) + (-8) \div (-2) \times 3$

13) Divide: (a) (-91) by 13 (b) (-98) by (-14)