

INTERNATIONAL INDIAN SCHOOL, RIYADH

SA 1 : WORKSHEET 2013-14

CLASS :VII

SUBJECT: MATHEMATICS

CH. 1 : INTEGERS

I FILL IN THE BLANKS

1. _____ is the additive identity and _____ is the multiplicative identity of integers.
2. $(-1) \times$ even number of times = _____
3. $(-1) \times$ odd number of times = _____
4. $38 \div 0 =$ _____
5. $0 \div 11 =$ _____
6. $13 \div 1 +$ _____
7. $55 +$ _____ $= 0$
8. $(-31) +$ _____ $= 0$
9. $(-55) +$ _____ $= -89$
10. $(-33) +$ _____ $= 79$
11. $1000 +$ _____ $= -1000$
12. $[(-7) + 9] +$ (_____) $= 9 + [-7 + 4]$
13. $(-6) + 2 = 2$ (_____)
14. $251 \div$ _____ $= 1$
15. $(-70) \div$ _____ $= 5$

16. _____ \div 993 = 0
17. _____ \div 2395 = 1
18. (-3589) \div _____ = -1
19. 22 \div _____ = -11
20. (-1) \times (-1) \times (-1) \times (-1) \times (-1) = _____

II ANSWER THE FOLLOWING :

1. A man travelled 30 km east of a place A and reached B. From B he travelled 60 km west of B and reached C. Find the distance of C from A.
2. A man has Rs. 20,000 in his account in a bank. He withdraws Rs. 3000 per month for the first two months and deposits double of this amount on third month. What will be the balance in his account after 3 months?
3. Verify $a - (-b) = a + b$ for the following values of a and b.
 i) $a = -17$ $b = +15$ ii) $a = 50$ $b = 21$
4. Use $>$, $<$ OR $=$ symbols in the blank space in each of the following
 - a. $(-3) - (-5)$ $(-4) + (-9)$
 - b. $71 - 2 - 31$ $71 - 2 + 31$
 - c. $39 + (-35) - (58)$ $37 + (-11) - (+26)$
 - d. $23 + (-8) - 7$ $9 - 13 + 12$
5. The temperature at a place rises from -20°C to 20°C . What is the rise in temperature ?
6. A place P is 82 m above the Sea level and another place is 13 m below the Sea level. What is the distance between the two places?

7. Write down a pair of integers whose
- i) sum is - 6 ii) difference -8
 - iii) difference 3 iv) sum 0
8. Write a negative integer and a positive integer whose
- a) sum -9 b) difference -4 c) sum 0
9. Find the value of each of the following products
- i) $(-3) \times 15$ ii) $4 \times (-13)$ iii) $(-23) \times (-31)$
 - iv) $(-3) \times (-2) \times 7$ v) $2 \times (-3) \times (-1) \times (-5)$
 - vi) $(-259) \times (-51) \times 0$ vii) $(-8) \times 2 \times (-3) \times 5 \times (-1)$
 - viii) $(-2) \times (-4) \times 0 \times (-6) \times (-8)$ ix) $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$
10. Verify the following
- i) $(-25) \times [(-7) + (-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$
 - ii) $(-7) \times [(-8) + 9] = [(-7) \times (-8)] + [(-7) \times 9]$
11. What will be the sign of the product $a \times b$ if
- i) a is the product of 5 positive integers and b is the product of 9 negative integers.
 - ii) a is the product of 6 positive integers and b is the product of 8 negative integers.
 - iii) a is positive and b is the product of 50 negative integers.
12. Find the value of a if product of a with -1 is
- i) 200 ii) 0 iii) -300

13. Find the product using suitable proportion :-

a. $8759 \times 2391 - 2391 \times 7759$

b. $(-9785) \times 937 + (-215) \times 937$

c. $35 \times (-25) \times (-4) \times 10$

14. Find the value of each of the following

i) $39 \div (-13)$ ii) $(-729) \div 9$ iii) $(-144) \div (-12)$

iv) $(-20000) \div (-200)$ v) $20513 \div (-1)$

v) $(-49) \div [(-48) + (-1)]$ vii) $[84 \div (-12)] \div 7$

viii) $[(-10) + 5] \div [20 + (-15)]$

15. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer

i) Rohan answered all questions and scored 24 marks though he got 8 correct answers.

ii) Smitha answered all questions and scored (-15) marks though he got 3 correct answers. How many incorrect answer had they attempted?

16. In a class test containing 15 questions 4 marks are given for every correct answer and (-1) marks are given for every incorrect answer.

i) Gokul attempts all questions but only 6 of his answers are correct. What is his total score?

ii) Neena gets 12 of her answers correct. What will be her score?
