

**THE ASIAN SCHOOL, DEHRADUN**  
**Summer Holiday Homework (Session 2022-23)**  
**Mathematics Worksheet – Class VII**

**NOTE: HOLIDAY HOMEWORK TO BE DONE IN MATHS-2 REGISTER IN CLEAR HANDWRITING. MATHS-2 REGISTER MUST BE NICELY COVERED AND LABELED. INDEX AND PAGE NUMBERS MUST BE WRITTEN.**

Q1. Greatest negative integers is \_\_\_\_\_

Q2.  $(-1) \times 5 =$  \_\_\_\_\_

Q3.  $(-1) \times 9 =$  \_\_\_\_\_

Q4.  $38 \div 0 =$  \_\_\_\_\_

Q5.  $0 \div 12 =$  \_\_\_\_\_

Q6.  $13 \div 14 +$  \_\_\_\_\_

Q7.  $55 - \underline{\hspace{2cm}} = 0$

Q8.  $(-31) + \underline{\hspace{2cm}} = 0$

Q9.  $(-55) + \underline{\hspace{2cm}} = -89$

Q10.  $(-33) + \underline{\hspace{2cm}} = 79$

Q11.  $1000 + \underline{\hspace{2cm}} = -1000$

Q12.  $[(-7) + 9] + (\underline{\hspace{2cm}}) = 9 + [-7 + 4]$

Q13.  $(-6) + 2 = 2 (\underline{\hspace{2cm}})$

Q14.  $251 \div \underline{\hspace{2cm}} = 1$

Q15.  $(-70) \div \underline{\hspace{2cm}} = 5$

Q16.  $\underline{\hspace{2cm}} \div 993 = 0$

Q17.  $\underline{\hspace{2cm}} \div 2395 = 1$

Q18.  $(-3589) \div \underline{\hspace{2cm}} = -1$

Q19.  $22 \div \underline{\hspace{2cm}} = -11$

Q20.  $(-1) \times 0 =$  \_\_\_\_\_

Q21. A man travelled 30 km east of a place A and reached B. From B he travelled 60 m west of B and reached C. Find the distance of C from A.

Q22. 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?

Q23. The temperature at a place rises from  $-20^{\circ}\text{C}$  to  $20^{\circ}\text{C}$ . What is the rise in temperature?

Q24. 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?

Q25. Write down a pair of integers whose

- i) sum is  $-6$                       ii) difference  $-8$     iii) difference  $3$     iv) sum  $0$

Q26. Write a negative integer and a positive integer whose

- a) sum  $-9$       b) difference  $-4$       c) sum  $0$

Q27. 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)  $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$

Q28. What will be the sign of the product a x b if

- a) a is the product of 5 positive integers and b is the product of 9 negative integers.
- b) a is the product of 6 positive integers and b is the product of 8 negative integers.
- c) a is positive and b is the product of 50 negative integers.

Q29. Find the value of 'a' if product of 'a' with - 1 is                      i) 200    ii) 0                      iii) -300

Q30. Find the product using suitable proportion :-

- a.  $8759 \times 2391 - 2391 \times 7759$
- b.  $(-9785) \times 937 + (-215) \times 937$
- c.  $35 \times (-25) \times (-4) \times 10$

Q31. 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)  $20513 \div (-1)$                       (vi)  $(-49) \div [(-48) + (-1)]$                       (vii)  $[84 \div (-12)] \div 7$                       (viii)  $[(-10) + 5] \div [20 + (-15)]$

Q32. In a class test containing 15 questions 4 marks are given for every correct answer and (-1) marks are given for every incorrect answer.

- a) Gokul attempts all questions but only 6 of his answers are correct. What is his total score?
- b) Neena gets 12 of her answers correct. What will be her score

Q33. Simplify

- a)  $2\frac{3}{4} + 8\frac{1}{5} - 3\frac{2}{3}$                       f)  $0.12052 \div 23$
- b)  $8\frac{2}{9} \div 5\frac{2}{7}$                       g)  $2.5 \times \frac{2}{5}$
- c)  $3\frac{1}{3} \times 8\frac{2}{5}$                       h)  $0.75 \times \frac{5}{7}$
- d)  $7.2 \times 0.5 \times 0.05$
- e)  $8.25 \div 2.2$

Q34. Find the distance travelled by a car using  $5\frac{2}{5}$  litres of petrol if it covers  $17\frac{1}{2}$  km using 1 litre of petrol.

Q35 a) Write 305.8409 in the expanded form.

b) Write the decimal for  $90 + 2 + \frac{3}{100} + \frac{5}{10000}$

c) Find the difference between the place values of 2 in the number 72.042.

d) Arrange in ascending order 0.5, 0.55, 0.005, 0.05

Q36. Convert

- a) 16 mm to m                      c) 15 cm to m                      e) 9 g to kg
- b) 70 m to km                      d) 8695 dm to hm

Q37. Simplify

- a)  $1.564 - 0.5 + 3.001 - 2.5$
- b)  $\frac{64 - 0.008}{16 + 0.8 + 0.04}$

c)  $\frac{1}{6} \times \frac{18}{64} \times \frac{16}{20}$

Q38. How many pieces of a ribbon of length  $18\frac{2}{5}$  m can be cut from a roll of length  $110\frac{2}{5}$  m?

Q39. Find the cost of 3.75 kg of sugar if 1 kg sugar costs Rs 62.375.

Q40. There are 60 students in a class.  $\frac{2}{5}$  of them are girls. Find the number of girls and boys in the class. By what fraction the number of boys is more than number of girls.

Q41. Which is greater:  $\frac{9}{121}$  of  $\frac{11}{45}$  OR  $\frac{4}{55}$  of  $\frac{5}{2}$ ?

Q42. Divide the sum of  $13\frac{1}{2}$  and  $5\frac{2}{3}$  by their difference

Q43. Solve  $9 + (-\frac{1}{5})$

Q44. Find  $13 + 9 \times 3 - 5$

Q45. Check if  $0/9$  is 0

Q46. Solve  $0.11 \times 0.456$

Q47. Find  $0.34/0.1$

Q48. Check  $3 \times 0 = -(-3) \times 0$

Q49. Add  $\frac{3}{5}$  to the sum of 0 and  $(-\frac{3}{5})$

Q50. Solve  $-3 + 0.1 - 0.1 + 4 \times 0$