

Q1. Use a number line to represent :

- i) 6 more than 0 ii) 7 less than -8

Q2. What is the successor of 997-1001?

Q3. What is the predecessor of $-401 + (-89)$?

Q4. What is the additive inverse of 789?

Q5. Calculate the following :-

- i) $\frac{1}{5}$ of a rupee ii) $\frac{3}{5}$ of an year iii) $\frac{4}{5}$ of an hour

Q6. Divide the difference of $4\frac{2}{3}$ and $2\frac{1}{4}$ by their product.

Q7. The difference of 2 nos. is -6859. One of them is 77856, find the other.

Q8. Verify the following if $a = -60$, $b = -50$, $c = 10$.

- i) $(a + b) + c = a + b + c$ ii) $a \times (b \times c) = (a \times c) \times b$

Q9. A train travels 48 km in $1\frac{1}{3}$ hours. How far does it travel in 1 hour?

Q10. How many pieces each of length $\frac{3}{4}$ m. can be cut from a $25\frac{1}{2}$ m. long ribbon?

Q11. The product of 2 nos. is $68\frac{3}{5}$. If one of them is 21, find the other.

Q12. Evaluate :

i) $1\frac{1}{14} \times 1\frac{2}{7} \times 3\frac{2}{3}$ ii) $5\frac{1}{3} \times 5\frac{1}{4} - \frac{1}{6} \times 1\frac{1}{2}$

iii) $(-1) \times 2 \times 3 \times (-1) \times (-2)$

Q13. Write an integer which is 21 less than the additive inverse of -11.

Q14. Which is greater :- $\frac{3}{4}$ of $\frac{7}{9}$ or $\frac{5}{7}$ of $\frac{21}{52}$?

Q15. In a freezer, the temperature falls by 2°C every 5 mins. In how much time the water kept at 36°C will freeze into ice ?

Q16. Evaluate using a suitable property :-

i) $-57 - (-57) \times 73 - 28 \times 57$

ii) 95×-10006

Q17. Raja won a lottery of ₹1 lakh and deposited it in bank. He already had ₹52,375 in the account. He donated ₹7000 to a reformatory school, ₹19,500 to a school for spastics children. And he spent ₹45,796 to buy books for the poor children.

i) Calculate the total amount spent and use a proper sign convention to represent expenditure.

ii) Calculate the amount left in his account.

iii) Write any 2 values deducted by him.

Q18. In an exam containing 40 questions, 4 marks are allotted to every correct answer, -2 to every wrong answer and 0 for unattempted questions. Calculate the scores when:-

i) Ranjita attempted 16 questions correctly and 6 were wrong.

ii) Ronita 18 questions incorrectly and the rest correctly.

iii) Calculate the no. of questions attempted correctly by Ritika, if her score is 156.