

SUMMER VACATION HOLIDAY HOMEWORK (2020-21)

CLASS- 7

1. Evaluate:

(i) $15 + (-8)$

(ii) $(-48) + (-36)$

2. Find the sum:

(i) 153 and -302

(ii) (-2035) and 297

3. Subtract:

(i) 28 from -42

(ii) -56 from 144

4. The sum of two integers is -16. If one of them is 53, find the other.

5. The difference of an integer **a** and **(-6)** is 4. Find the value of **a**.

6. Arrange the following fractions in descending order:

(i) $\frac{3}{4}, \frac{7}{8}, \frac{7}{12}, \frac{17}{24}$

(ii) $\frac{2}{3}, \frac{3}{5}, \frac{7}{10}, \frac{8}{15}$

7. A rectangular sheet of paper is $15\frac{3}{4}$ cm long and $12\frac{1}{2}$ cm wide. Find the perimeter.

8. A car covers a certain distance at a uniform speed of $66\frac{2}{3}$ km per hour. How much distance will it cover in 9 hours?

9. Simplify: (i) $24 \div \frac{6}{7}$

(ii) $5\frac{4}{7} \div 1\frac{3}{10}$

10. By what number should $9\frac{4}{5}$ be multiplied to get 42?

11. Convert each of the following as a mixed fraction:

(i) 5.6

(ii) 6.004

(iii) 4.625

12. Express 45 mm in cm, m and km.

13. Express in km using decimals:

(i) 65m

(ii) 3 km 5m

14. Add:

(i) $63.5 + 9.7 + 0.8 + 26.66$ and 12.17

(ii) $9.90 + 0.909 + 99.9 + 9.99 + 0.99$

(iii) $6.606 + 66.6 + 666 + 0.066 + 0.66$

15. Subtract:

(i) 15.079 from 24.16

(ii) 0.4678 from 5.05

(iii) 14.67 from 72.43

16. By how much should 32.67 be increased to get 26.87?

17. Find the product $0.47 \times 5.3 \times 0.06$

18. 1 kg of milk has 0.264 kg of fat. How much fat is there in 12.5 kg of milk?

19. Find the product: (i) 2.397×100

(ii) 0.182×1000

20. Evaluate: (i) $(1.2)^3$

(ii) $(0.05)^3$

21. If $a = -8$, $b = -7$, $c = 6$, verify that $(a+b)+c = a+(b+c)$

22. By what number should (-240) be divided to obtain 16?

23. The cost of $5\frac{1}{4}$ kg of mangoes is Rs.231. At what rate per kg are the mangoes being sold?

24. Divide:

(i) 43.2 by 6

(ii) 0.768 by 16

(iii) 117.6 by 21

25. List six rational number between -1 and 0.