

CLASS- VII MATHS WORKSHEET

1. Find the sum of :-
a) 153 and -302 b) 1005 and -277 c) -2035 and 297 d) -489 and -324
2. Subtract:-
a) 28 from -42 b) -36 from 42 c) -37 from -53 d) -66 from -34
3. Subtract the sum of -1032 and 878 from -34
4. Simplify $\{-13-(-27)\} + \{-25-(-40)\}$
5. If $a = -8$, $b = -7$, $c = 6$, verify that $(a+b)+c = a+(b+c)$.
6. The sum of two integers is -16. If one of them is 53. Find the other.
7. The difference of an integer a and (-6) is 4. Find the value of a .
8. A shopkeeper gains Rs 1 on each pen and loses 60 paise on each pencil. He sells 45 pens and some pencils losing Rs. 6 in all. How many pencils does he sell?
9. Simplify :-
a) $(-8) \times 9 + (-8) \times 7$ b) $9 \times (-13) + 9 \times (-7)$ c) $(-16) \times (-8) + (-4) \times (-8)$
d) $10 \times (-12) + 5 \times (-12)$ e) $(-26) \times 72 + (-26) \times 28$
10. In a test containing 10 questions 5 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 for question not attempt.
(i) Ravi get 4 correct answer. What is his total score. If he attempts all sums.
(ii) Renu get 5 incorrect answer. What is her score. If she attempts all sums.
(iii) Heena gets 2 correct and 5 incorrect answer. What is her score.
11. Divide :- a) -65 by 13 b) -84 by 12 c) -72 by -18 d) 0 by -31 e) -8 by 1
12. Add the product of (-16) and (-9) to the quotient of (-132) by 6.
13. Simplify:-
i) $\frac{2}{3} + \frac{5}{6} - \frac{1}{9}$ ii) $8 - 4\frac{1}{2} - 2\frac{1}{4}$ iii) $8\frac{5}{6} - 3\frac{3}{8} + 1\frac{7}{12}$
14. What should be added to $7\frac{4}{15}$ to get $8\frac{2}{5}$?
15. Of $\frac{2}{3}$ and $\frac{5}{9}$, which is greater and by how much ?
16. Simplify :
i) $\frac{2}{3} \times \frac{5}{44} \times \frac{33}{35}$ ii) $\frac{12}{25} \times \frac{15}{28} \times \frac{35}{36}$ iii) $\frac{10}{27} \times \frac{28}{65} \times \frac{39}{36}$ iv) $1\frac{4}{7} \times 1\frac{13}{22} \times 1\frac{1}{15}$
17. Find :-
i) $\frac{4}{9}$ of 54 meters ii) $\frac{7}{20}$ of 150 kg iii) $\frac{9}{20}$ of a metre iv) $\frac{5}{11}$ of Rs. 220
18. Each side of square field is $4\frac{2}{3}$ m. Find its area and perimeter.
19. Find area and perimeter of a rectangular park which is $41\frac{2}{3}$ m long and $18\frac{3}{5}$ m broad.
20. Simplify :-
i) $\frac{4}{7} \div \frac{9}{14}$ ii) $24 \div \frac{6}{7}$ iii) $\frac{8}{9} \div 16$ iv) $3\frac{3}{7} \div \frac{8}{21}$ v) $15\frac{3}{7} \div 1\frac{23}{49}$
21. If the cost of a notebook is Rs $27\frac{3}{4}$ How many notebooks can be purchased for Rs $249\frac{3}{4}$?
22. The product of two numbers is $15\frac{5}{6}$. If one of the numbers is $6\frac{1}{3}$. Find the other.
23. By what numbers should $6\frac{2}{9}$ be divided to obtain $4\frac{2}{3}$?
24. Convert each of the following into a fraction in its simplest form:-
i) 0.8 ii) 0.75 iii) 0.06 iv) 0.285
25. Arrange the following decimals in ascending order.
i) 4.6, 7.4, 4.58, 7.32, 4.06 ii) 0.5, 5.5, 5.05, 0.05, 5.55
26. Express 45 mm in cm, m and km.
27. Find the product:-
i) 7.6×2.4 ii) 3.45×6.3 iii) 0.54×0.27 iv) 0.568×4.9 v) 6.54×0.09
vi) $13 \times 1.3 \times 0.13$ vii) $2.4 \times 1.5 \times 2.5$
28. A small bottle holds 0.845 kg of sauce. How much sauce will be there in 72 such bottles.
29. 1 kg of rice costs Rs. 56.80. What is the cost of 16.25 kg of rice?
30. Divide
i) 43.2 by 6 ii) 60.48 by 12 iii) 117.6 by 21 iv) 217.44 by 18

