

KPS/041/Maths/Study Material/Class VI

- By using properties of multiplication find:
 - 275×98
[Ans \rightarrow (i) 26950]
 - $569 \times 17 + 569 \times 13$
[Ans \rightarrow (ii) 17070]
- Write the largest number of different digits formed by using the digits 2, 4, 0, 3, 6 and 9 [Ans \rightarrow 964320]
- Estimate each sum to the nearest hundred
 - $(236 + 689)$ [Ans \rightarrow 900]
 - $(458 + 324)$ [Ans \rightarrow 900]
- Find the sum of $x \times c$ and $c \times x$. [Ans \rightarrow 20]
- Test the divisibility of the following numbers by 2, 3, 5, 11
 - 69435
 - 59628
 - 367314
- Express 1224 as Product of its prime factors (Prime factorisation method). [Ans \rightarrow $2 \times 2 \times 2 \times 3 \times 3 \times 17$]
- Find the H.C.F of 161 and 345 by the division Method [Ans \rightarrow 23]
- The length, breadth and height of a room are 1050cm, 750cm and 425cm respectively. Find the length of the longest tape which can measure the three dimensions of the room exactly. [Ans \rightarrow 25]
- In a shop, there are three clocks which chime at intervals of 15, 20 and 30 minutes respectively. They all chime together at 10am. At what time will they all chime together again? [Ans \rightarrow 11am]
- The product of two numbers is 2160 and their H.C.F is 12. Find the L.C.M.
- Find two values of a , if $a, a+2, a+6$ are prime numbers.

12. Find the difference between the smallest number of 7 digits and largest number of 4 digits. [Ans $\rightarrow 90,001$]

13. Find the sum of the following

(i) 3002 and -888 (ii) -18, +25 and -37 (iii) -3057 and 199
[Ans $\rightarrow 2114$] [Ans $\rightarrow -30$] [Ans $\rightarrow 2858$]

14. The sum of two integers is -27, if one of them is 260, find the other. [Ans $\rightarrow -287$]

15. Find the successor, predecessor and additive inverse of the following numbers

(i) 120 (ii) -141 (iii) 0 (iv) -1001 (v) -500

16. Arrange the following fractions in Ascending order as well as descending order

(i) $\frac{3}{4}$, $\frac{5}{8}$, $\frac{11}{12}$ and $\frac{17}{24}$ (ii) $\frac{2}{3}$, $\frac{5}{6}$, $\frac{7}{9}$ and $\frac{11}{18}$

17. Rahul bought a pencil for ₹ $3\frac{2}{5}$ and, an eraser for ₹ $2\frac{7}{10}$ and ruler for ₹ $2\frac{2}{7}$. What is the total cost of the articles? [Ans $\rightarrow 8\frac{17}{70}$]

18. Mrs. Gupta bought $7\frac{1}{2}$ litres of milk. out of her milk, $5\frac{3}{4}$ litres was consumed. How much milk is left with her. [Ans $\rightarrow 1\frac{3}{4}$]

19. Which of the following are proper and improper and mixed fractions.

(i) $\frac{3}{2}$, $\frac{5}{6}$, $\frac{9}{4}$, $\frac{8}{8}$, $3\frac{27}{16}$, $4\frac{1}{2}$, $\frac{9}{2}$, $\frac{2}{9}$

20. In an examination a person can get a negative or positive score. Anu scores 30, -15 and 43 and -19 on 4 test in the exam. What is her total score? What is the difference between her highest and the least scores? [Ans $\rightarrow 39.62$]