

Attempt all question

1. Set M= {Multiples of 2 less than 10} 5
 - a. Define set with an example .
 - b. Does $6 \in M$? Give a reason .
 - c. Writes the set M in the set -builder from .
2. Four digits are 7,0,9,8 5
 - a. Make greatest number of given digits.
 - b. Make smallest number of given digits .
 - c. Find the sum and difference of greatest and smallest number .
3. a) Write a mathematical expression and simplify it. "Two is multiplied by one less than the difference of nineteen and six." 2
 - b) Simplify : $39 - [23 - \{29 - (17 - 9 - 3)\}]$ 2
4. Write the following sets using the listing method .
 - a) Multiples of 2 less than 14. 2
 - b) Factors of 12. 2
 - c) Common elements of (M_2) and (f_{12}) 1
5. a) Write one even prime number. 1
 - b) Find the prime factors of 72. 1
 - c) A gardener plans to plant 8 flowering plant in each row and column in a square garden. How many plants does he need? 2
6. a) Find the square root of 2500. 1
 - b) Reduce $\frac{36}{45}$ in to the lowest term. 2
 - c) Find the LCM of 24 and 40. 2
7. a) Write the opposite value of (+36) . 1
 - b) Arrange -2,+1,+5,+3,-4,0 in ascending order. 2
 - c) Find the value of $[(-7) \times (-5)] \times (-2) + (+3)$ 2

8. a) Convert $\frac{17}{3}$ into mixed fraction . 1
 - b) Subtract : $\frac{7}{12} - \frac{9}{16}$ 2
 - c) Divide : $2.45 \div 0.5$ 2
9. a) Multiply : 0.25 by 1000 1
 - b) Write any two equivalent fraction of $\frac{7}{13}$ 2
 - c) Multiply : $4 \times \frac{2}{3} \times \frac{9}{16}$ 2
10. a) Round off 9.82576 to three decimal places. 1
 - b) Express $\frac{4}{5}$ as percentage (%). 1
 - c) Find HCF of 30 and 42 by using listing method . 3

The End