Sets, Number Systems, and Factors & Multiples

Theme	**Sets, Number Systems, and Factors & Multiples**
Question 1	If set A = {0}, then what is the cardinal number of A? • 0 • 1 • 2 • infinite
Question 2	Set R = {0, 1, 2, 3, 1, 2, 3}, Set S = {1, 2, 3}. What is R - S? • {} • {0} • {0, 1, 2, 3} • {1, 2, 3}
Question 3	What is the tabular form of the set {x| x is a prime number less than 13} • {1, 2 , 3, 5, 7} • {2 , 3, 5, 7, 11} • {2 , 3, 5, 7, 11, 13} • {1, 2 , 3, 5, 7, 11}

Question 4	What is the difference in the face values of '4' in 46,61,045?
	• 0
	• 3999600
	• 3999960
	• 3999996
Question 5	How many times does the digit '5' occur in the tens place between the numbers 200 and 500?
	• 27
	• 30
	• 40
	• 100
Question 6	How many whole numbers are there in between the predecessor of the largest 5-digit number and the successor of the smallest 6-digit number?
	• 0
	• 2
	• 4
	• 102
Question 7	What is the smallest number that can be multiplied with 160, to get a 4-digit number divisible by 3?
	• 7
	• 8
	• 9
	• 10

Question 8	What is the sum of the prime numbers less than 15? • 28 • 40 • 41 • 57
Question 9	Which multiple of 66 is also a factor of it? • 1 • 33 • 66 • 132
Question 10	How many twin prime pairs are there up to 100? • 6 • 8 • 14 • 16

- x -

Answers

Answer 1	1
Answer 2	{0}
Answer 3	{2 , 3, 5, 7, 11}
Answer 4	0
Answer 5	30
Answer 6	2
Answer 7	9
Answer 8	41
Answer 9	66
Answer 10	8