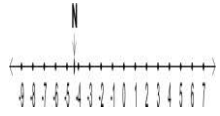| 1 | 1_4 Mathematics 7565 | Integers Chapter 1 | 72, 81, 90, 99, ... is a series of numbers following a certain pattern. Which of the following numbers will be in this series? | | D |

Answer Options			
Option A	Option B	Option C	Option D
336	409	600	783

S.No	Folder Number and Question Code	Topic	Question with Answer options	Image if any	Correct Answer
2	5_27 Mathematics 8346	INTEGERS Chapter 1	A submarine was situated 325 metres below sea level. If it ascends 150 metres, what is its new position?		D

Answer Options			
Option A	Option B	Option C	Option D
475 metres below sea level	375 metres below sea level	275 metres below sea level	175 metres below sea level

S.No	Folder Number and Question Code	Topic	Question with Answer options	Image if any	Correct Answer
3	5_27 Mathematics 8352	Integers Chapter 1	What is the value of the expression $12 - 6 + 6 \div 2 - (-13 + 7)$?		D

Answer Options			
Option A	Option B	Option C	Option D
-3	6	9	15

S.No	Folder Number and Question Code	Topic	Question with Answer options	Image if any	Correct Answer
4	5_27 Mathematics 8356	Integers Chapter 1	A point N is shown on the number line. Starting from N, if you move 7 units to the right, 12 to the left and again 6 to the right, where would you finally end up?		B

Answer Options			
Option A	Option B	Option C	Option D
at 1	between -3 and -4	between 2 and 3	between -5 and –6

5					B
	5_27 Mathematics 8359	Integers Chapter 1	Rita goes 30 km towards east from a point A to the point B. From B,she moves 30 km towards west along the same road. If the distance towards east is represented by a positive integer then, By which integer will you represent her final position from A?		

Answer Options			
Option A	Option B	Option C	Option D
+30	0	-30	10

6	3_18 Mathematics 3328	Integers Chapter 1	If 58 x 156 = 9048, what is 59 x 156?		D

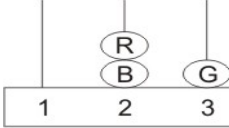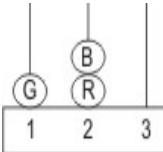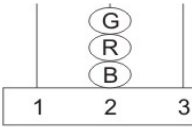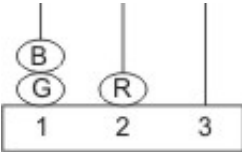| Answer Options			
Option A	Option B	Option C	Option D
9048 + 1	9048 + 58	9048 + 59	9048 + 156
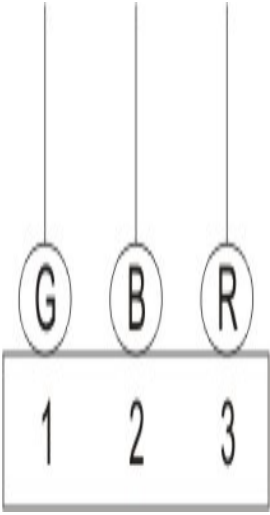
7	5_26 Mathematics 1736	Integers Chapter 1	Razaq says to Ravi, Your phone number is divisible by 3 as well as 9."If Ravi wants to check whether this is true using a divisibility test, what should he do?"		C

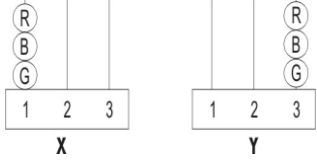|	Answer Options			
	Option A	Option B	Option C	Option D
	Use the divisibility test of 3 (sum of digits should be divisible by 3)	Use the divisibility test of 6 (number should be divisible by 2 and 3)	Use the divisibility test of 9 (sum of digits should be divisible by 9)	Use the divisibility test of 12 (number should be divisible by 3 and 4)

8	5_26 Mathematics 1737	Integers Chapter 1	The overhead tank of a housing-complex was $\frac{4}{5}$ th full in the morning. By 10 a.m., 9000 litres of water was used up and the remaining water filled only half the tank. What is the capacity of the tank?		D

	Answer Options			
	Option A	Option B	Option C	Option D
	2700 litters	7200 litres	18000 litres	30000 litres

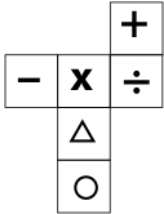| 9	3_18 Mathematics 3336	Integers Chapter 1	Which series below (when continued) can contain a 3-digit prime number?		A

	Answer Options			
	Option A	Option B	Option C	Option D
	1, 3, 5, 7, 9, ...	2, 4, 6, 8, 10, ...	3, 6, 9, 12, 15, ...	7, 14, 21, 28, 35, ...

10	5_26 Mathematics 1738	Integers Chapter 1	Two or more whole numbers with no common factors greater than 1 are called co-prime numbers. Which of these statements about co-prime numbers is true?		C

Answer Options			
Option A	Option B	Option C	Option D
Two distinct odd numbers must be co-prime	Two composite numbers can NOT be co-prime	Two distinct prime numbers must be co-prime	Two even numbers can be co-prime

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
11	**5_26 Mathematics** 1741	Integers Chapter 1	Look at this number pattern: According to this pattern, what should be the answer to 9,999,999 x 9,999,999?	99 x 99 = 9801 999 x 999 = 998001 9999 x 9999 = 99980001 99999 x 99999 = 9999800001	B

Answer Options			
Option A	Option B	Option C	Option D
9,99,99,98,00,001	9,99,99,98,00,00,001	9,99,99,98,88,88,801	9,99,99,99,80,00,00,000

| 12 | **5_26** **Mathe matics** 1743 | Integers Chapter 1 | Sadiq has a puzzle consisting of a wooden base with three rods numbered as 1, 2 and 3, and three coloured discs - green (G), blue (B) and red (R). The discs have to be shifted from one rod to another to get a particular arrangement, moving ONLY ONE DISC AT A TIME. The question is based on this puzzle. Every time a disc is shifted from one rod to another, it is counted as one move. Starting with the original arrangement shown above, which of the following arrangements will require at least 3 moves? | | **B** |

Answer Options			
Option A	Option B	Option C	Option D
A.		C.	

13	**5_26 Mathe matics** 1744	Integers Chapter 1	Starting with arrangement X, what is the least number of moves in which Sadiq can get arrangement Y by shifting the discs according to the given rules?		C

	Answer Options			
	Option A	Option B	Option C	Option D
	One	Three	Five	Six

14	**5_27 Mathe matics** **8380**	Integers Chapter 1	If the figure shown below is folded to form a cube, which symbol will be opposite to "+" ?		C

	Answer Options			
	Option A	Option B	Option C	Option D
	-	x	△	○

15	2_10 Mathematics	Integers Chapter 1	The number 26411 is completely divisible by		C
	5833	Answer Options			
		Option A	Option B	Option C	Option D
		3	5	7	9