S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
1	**1_4** **Mathematics** **7501**	Playing with numbers	Astronomers discover a new planet which has three moons. The time that each one takes to complete one full revolution around the planet is shown in the figure. If they are in the position shown above at this moment, after how many days will the three of them again be exactly in the same position next?	30 days 25 days 20 days	C

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
120	60	2	10

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer
2	**1_4** **Mathematics** **7532**	Playing with numbers	Between 1 and 50 (excluding both these) how many numbers are there which will leave a remainder 1 when divided by 4?		B

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
10	12	13	15

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
3	**2_10** **Mathematics** **5780**	Playing with Numbers	If we multiply 2 prime numbers, the product will ALWAYS be		A

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
a composite number.	an even number.	an odd number.	a prime number.

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
4	**3_19** **Mathematics** **2657**	Playing with numbers	24 can be expressed as the product of two numbers in 4 different ways: 24 x 1, 12 x 2 , 8 x 3 and 4 x 6. In how many different ways can 42 be expressed as a product of two numbers?		B

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
3	4	5	6

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
5	3_19 Mathematics 2689	Playing with numbers	In a magic square, the sum of the four numbers in every row, column and diagonal are the same. The figure shown is an incomplete 4 x 4 magic square. Which number will come in place of ?		B

Answer Option			
Option A	Option B	Option C	Option D
13	9	8	7

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
6	5_29 Mathematics 11444	Playing with numbers	The smallest positive number which is a multiple of both 40 and 50 is		B

Answer Option			
Option A	Option B	Option C	Option D
10	200	400	2000

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
7	3_19 Mathematics2670	Playing with numbers	A school has less than 500 students. The total number of students can be divided into 3 equal sized groups, 4 equal sized groups, 5 equal sized groups or 7 equal sized groups. How many students does the school have?		B

Answer Option			
Option A	Option B	Option C	Option D
280	420	480	Can't say - many answers possible

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
8	3_19 Mathematics 2660	Playing with numbers	Which of the following is an odd number?		C

Answer Option			
Option A	Option B	Option C	Option D
The product of an odd number and an even number	The difference of two odd numbers	The sum of an odd number and two even numbers	The sum of an even number and two odd numbers

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
9	**5_27** **Mathematics** **8304**	Playing with numbers	Which of these sets will have the fewest members?		D

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
Numbers divisible by 1	Numbers divisible by 5	Multiples of 10	Factors of 1000

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
10	**5_27** **Mathematics** **8316**	PLAYING WITH NUMBERS	Which is the LARGEST 3-digit number that leaves a remainder 1 when divided by 3, 4 and 5?		B

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
999	961	181	61

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
11	5_27 Mathematics 8326	Playing with numbers	A number that has 2 and 37 as factors must be an		A

Answer Option			
Option A	Option B	Option C	Option D
even composite number	odd composite number	odd prime number	even prime number

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
12	5_27 Mathematics 8306	Playing with numbers	Which is the largest EVEN number less than 10,00,000 that can be made using as many of the number cards shown here as necessary?	3 4 9 6 1 7	D

Answer Option			
Option A	Option B	Option C	Option D
97634	976431	973164	976314

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
13	5_29 Mathematics 11295	Playing with numbers	654312 and 76536 are both divisible by 8. Which of the following might NOT be divisible by 8?		D

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
654312 +76536	654312 -76536	654312 x 76536	654312÷76536

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
14	5_26 Mathematics 1958	Playing with Numbers	What is the largest number between 100 and 200 that is divisible by both 20 and 30?		B

Answer Option			
Option A	**Option B**	**Option C**	**Option D**
600	180	150	120

S.N.	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option - A,B,C,D)
15	5_26 Mathematics 1971	Playing with Numbers	Which of the following is a prime number?		B

Answer Option			
Option A	Option B	Option C	Option D
19 x 2 x 3	1 x 29	21 x 1	13 x 17