Crash Course 2025

Aptitude

Number System

Q1 What will be the remainder if 3^{193} is divided by 8?
(A) 6   (B) 1
(C) 5   (D) 3

Q2 What is the smallest number that when subtracted from 63407 makes it exactly divisible by 9?
(A) 4   (B) 3
(C) 2   (D) 1

Q3 Find the remainder when 3^{51} is divided by 5.
(A) 2   (B) 1
(C) 4   (D) 3

Q4 If the number 653ab is divisible by 90, then (a + b) =?
(A) 13   (B) 4
(C) 22   (D) 8

Q5 What would be the unit digit in the answer of: $369^{28} + 167^{44}$
(A) 1   (B) 6
(C) 2   (D) 7

Q6 What is the least number that when divided by any of the numbers 7, 16, 28 leaves a remainder of 3?
(A) 116   (B) 115
(C) 227   (D) 113

Q7 The only natural number which is neither prime nor composite is?
(A) 1   (B) 0
(C) 13   (D) 3

Q8 Which largest number of 5 digits is divisible by 99?
(A) 99999   (B) 99981
(C) 99909   (D) 99990

Q9 What should be greatest possible length of a scale which can be used to measure exactly the lengths 7 m, 3 m 85 cm, 12 m 95 cm is
(A) 25 cm   (B) 35 cm
(C) 45 cm   (D) 55 cm

Q10 Find the least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is:
(A) 94   (B) 184
(C) 274   (D) 364

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Answer Key

Q1	(D)		Q6	(B)
Q2	(C)		Q7	(A)
Q3	(A)		Q8	(D)
Q4	(B)		Q9	(B)
Q5	(C)		Q10	(D)

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Hints & Solutions

Q1 Text Solution:

(D)

Q2 Text Solution:

(C)

Q3 Text Solution:

(A)

Q4 Text Solution:

(B)

Q5 Text Solution:

(C)

Q6 Text Solution:

(B)

Q7 Text Solution:

(A)

Q8 Text Solution:

(D)

Q9 Text Solution:

(B)

Q10 Text Solution:

(D)

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