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NO. SERIES QUIZ 33

Directions: What will come in place of question mark (?) in the following series?

(1). 10 17.5 32.5 55 85 ?

- A. 121.5 B. 122.5 C. 132.5 D. 137.5
E. None of these

(2). 1 7 16 30 51 ?

- A. 81 B. 79 C. 83 D. 85
E. 76

(3). 0 6 24 60 120 ?

- A. 240 B. 250 C. 220 D. 224
E. 210

(4). 6 6 18 90 630 ?

- A. 3150 B. 5670 C. 6930 D. 5420
E. 4830

(5). 27 35 47 63 83 ?

- A. 105 B. 107 C. 114 D. 111
E. None of these

(6). 7 12 19 31 50 ?

- A. 83 B. 79 C. 80 D. 81

E. None of these

(7). 2 3 8 27 112 ?

A. 352

B. 565

C. 630

D. 435

E. None of these

(8). 30 128 346 732 ? 2200

A. 1424

B. 1334

C. 1528

D. 1078

E. None of these

(9). 16800 4200 1050 262.5 ? 16.40625

A. 64.725

B. 60.225

C. 65.625

D. 68.428

E. None of these

(10). 156 145 123 90 46 ?

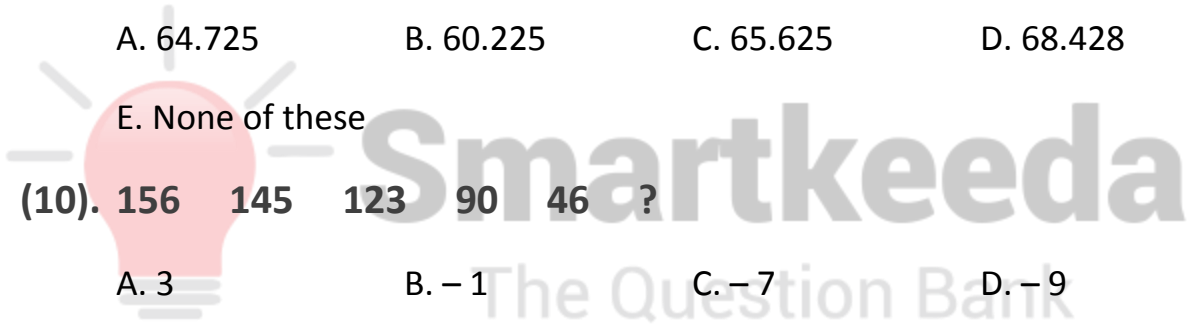
A. 3

B. -1

C. -7

D. -9

E. None of these



Correct answers:

1	2	3	4	5	6	7	8	9	10
B	A	E	B	B	D	B	B	C	D

Explanations:

1.

Series Pattern	Given Series
10	10
$10 + 15 \times 0.5 = 17.5$	17.5
$17.5 + 15 \times 1 = 32.5$	32.5
$32.5 + 15 \times 1.5 = 55$	55
$55 + 15 \times 2 = 85$	85
$85 + 15 \times 2.5 = 122.5$	122.5 ✓

Hence, option (B) is correct.

2.

Series Pattern	Given Series
1	1
$1 + (1 \times 1 + 5) = 7$	7
$7 + (2 \times 2 + 5) = 16$	16
$16 + (3 \times 3 + 5) = 30$	30
$30 + (4 \times 4 + 5) = 51$	51
$51 + (5 \times 5 + 5) = 81$	81 ✓

Hence, option (A) is correct.

3.

Series Pattern	Given Series
$1^3 - 1 = 0$	0
$2^3 - 2 = 6$	6

$3^3 - 3 = 24$	24	
$4^3 - 4 = 60$	60	
$5^3 - 5 = 120$	120	
$6^3 - 6 = 210$	210	✓

Hence, option (E) is correct.

4.

Series Pattern Given Series

6	6	
$6 \times 1 = 6$	6	
$6 \times 3 = 18$	18	
$18 \times 5 = 90$	90	
$90 \times 7 = 630$	630	
$630 \times 9 = 5670$	5670	✓

Hence, option (B) is correct.

5.

Series Pattern Given Series

27	27	
$27 + 8 = 35$	35	
$35 + 12 = 47$	47	
$47 + 16 = 63$	63	
$63 + 20 = 83$	83	
$83 + 24 = 107$	107	✓

Hence, option (B) is correct.

6.

Series Pattern Given Series

7	7
$7 + 5 = 12$	12

$12 + 7 = 19$	19	
$19 + 12 = 31$	31	
$31 + 19 = 50$	50	
$50 + 31 = 81$	81	✓

Hence, option (D) is correct.

7.

Series Pattern Given Series

2	2	
$2 \times 1 + 1 = 3$	3	
$3 \times 2 + 2 = 8$	8	
$8 \times 3 + 3 = 27$	27	
$27 \times 4 + 4 = 112$	112	
$112 \times 5 + 5 = 565$	565	✓

Hence, option (B) is correct.

8.

Series Pattern Given Series

$3^3 + 3 = 30$	30	
$5^5 + 3 = 128$	128	
$7^3 + 3 = 346$	346	
$9^3 + 3 = 732$	732	
$11^3 + 3 = 1334$	1334	✓
$13^3 + 3 = 2200$	2200	

Hence, option (B) is correct.

9.

Series Pattern	Given Series
16800	16800

$16800 \div 4 = 4200$	4200
$4200 \div 4 = 1050$	1050
$1050 \div 4 = 262.5$	262.5
$262.5 \div 4 = 65.625$	65.625 ✓

$$65.625 \div 4 = 16.40625 \quad 16.40625$$

Hence, option (C) is correct.

10.

Series Pattern Given Series

156	156
$156 - 11 = 145$	145
$145 - 22 = 123$	123
$123 - 33 = 90$	90
$90 - 44 = 46$	46
$46 - 55 = -9$	-9 ✓

Hence, option (D) is correct.



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