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Correct Answers:

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

Explanations:

1.

Series I :	15	22	40	75	133	?
Series II :	+7	+18	+35	+58	?	
Series III :	+11	+17	+23	?		
Series IV :		+6	+6	+6		
		0	0			

Clearly, the pattern of series III is that '6' is added to get the next number. So, the missing term in series III is $(23 + 6) = 29$; \therefore missing term in series II is $(58 + 29) = 87$; \therefore missing term in series I is $(87 + 133) = 220$. Finally the series will become as follows:

Series I :	15	22	40	75	133	220
Series II :	+7	+18	+35	+58	+87	
Series III :	+11	+17	+23	+29		
Series IV :		+6	+6	+6		
		0	0			

Hence, option B is correct.

2.

Series Pattern	Given Series
24	24
$24 + 7 (=7 \times 1) = 31$	31
$31 + 21 (=7 \times 3) = 52$	52
$52 + 35 (=7 \times 5) = 87$	87
$87 + 49 (=7 \times 7) = 136$	136
$136 + 63 (=7 \times 9) = 199$	199 ✓

Hence, the option D is correct.

3.

Series Pattern	Given Series
15	15
$15 \times 1 + 1 = 16$	16
$16 \times 2 - 1 = 31$	31
$31 \times 3 + 1 = 94$	94
$94 \times 4 - 1 = 375$	375
$375 \times 5 + 1 = 1876$	1876
$1876 \times 6 - 1 = 11255$	11255 ✓

Hence, the option E is correct.

4.

Series Pattern	Given Series
15	15
$15 \times \frac{1}{2} + \frac{1}{2} = 8$	8
$8 \times 1 + 1 = 9$	9
$9 \times \frac{3}{2} + \frac{3}{2} = 15$	15 ✓
$15 \times 2 + 2 = 32$	32
$32 \times \frac{5}{2} + \frac{5}{2} = 82.5$	82.5
$82.5 \times 3 + 3 = 250.5$	250.5

Hence, the option B is correct.

5.

Series Pattern	Given Series
1	1
$1 \times 4 + 5$	9
$9 \times 6 + 7$	61
$61 \times 8 + 9$	497
$497 \times 10 + 11$	4981
$4981 \times 12 + 13$	59785 ✓

Hence, option D is correct.

6.

Series Pattern	Given Series
2	2
$2 \times 2 + 1^3$	5
$5 \times 3 + 2^3$	23
$23 \times 4 + 3^3$	119
$119 \times 5 + 4^3$	659 ✓
$320 \times 6 + 5^3$	4079

Hence, option B is correct.

07.

Series Pattern	Given Series
3	3
$3 \times 1 + 1$	4
$4 \times 3 + 2$	14
$14 \times 5 + 3$	73
$73 \times 7 + 4$	515
$515 \times 9 + 5$	4640 ✓

Hence, option C is correct.

8.

Series Pattern	Series
9	9
$9 \times 2 + 2$	20
$20 \times 2 - 4$	36
$36 \times 2 + 6$	78
$78 \times 2 - 8$	148
$148 \times 2 + 10$	306
$306 \times 2 - 12$	600 ✓

Hence, option C is correct.

9.

Series Pattern	Given Series
11043	11043
$11043 + 13$	11056
$11056 - 11$	11045
$11045 + 9$	11054
$11054 - 7$	11047
$11047 + 5$	11052 ✓

Hence, option E is correct.

10.

Series Pattern	Given Series
256	256
256×0.5	128
128×1.5	192
192×2.5	480
480×3.5	1680 ✓
1680×4.5	7560

Hence, option B is correct.



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