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Number series Questions for Bank Exams.

Number series Quiz 5

Directions: Find the missing element in the given series:

1. 18 96 161 213 252 ?

- A. 278 B. 291 C. 265 D. 264 E. None of these

2. 512 128 32 8 2 ?

- A. $\frac{1}{32}$ B. $\frac{1}{4}$ C. $\frac{1}{2}$ D. $\frac{1}{8}$ E. None of these

3. 178 537.5 ? 18858.5 169736 1867107.5

- A. 2694 B. 2693 C. 2893 D. 2794 E. None of these

4. 68921 79507 91125 103823 117649 ?

- A. 125000 B. 140608 C. 148877 D. 132651 E. None of these

5. 5 12.5 54.5 333.5 2676.5 ?

- A. 26775 B. 26725.5 C. 26775.5 D. 26785.5 E. None of these

6. 4 13 38 87 ? 289

- A. 168 B. 158 C. 169 D. 151 E. 178

7. 6 12 ? 90 315 1260

- A. 24 B. 27 C. 30 D. 60 E. 72

8. 529 ? 729 841 961 1089

- A. 575 B. 675 C. 625 D. 676 E. 784

9. 42 44.6 49.8 ? 81 122.6

- A. 58.2 B. 60.2 C. 6.2 D. 57 E. None of these

10. 6 42 301 2416 ? 217540

- A. 20753 B. 21753 C. 21750 D. 21754 E. None of these

Correct Answers:

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

Explanations:

1.

Series Pattern	Given Series
18	18
$18 + 78 = 96$	96
$96 + 65 = 161$	161
$161 + 52 = 213$	213
$213 + 39 = 252$	252
$252 + 26 = 278$	278 ✓

Hence, option A is correct.

2.

Series Pattern	Given Series
512	512
$512 \div 4 = 128$	128
$128 \div 4 = 32$	32
$32 \div 4 = 8$	8
$8 \div 4 = 2$	2
$2 \div 4 = 1/2$	1/2 ✓

Hence, option C is correct.

3.

Series Pattern	Given Series
178	178
$178 \times 3 + 3.5 = 537.5$	537.5
$537 \times 5 + 5.5 = 2693$	2693 ✓
$2693 \times 7 + 7.5 = 18858.5$	18858.5
$18858.5 \times 9 + 9.5 = 169736$	169736
$169736 \times 11 + 11.5 = 1867107.5$	1867107.5

Hence, option B is correct.

4.

Series Pattern	Given Series
$(41)^3$	68921
$(43)^3$	79507
$(45)^3$	91125
$(47)^3$	103823
$(49)^3$	117649
$(51)^3$	132651 ✓

Hence, option D is correct.

5.

Series Pattern	Given Series
5	5
$5 \times 2 + 2.5 = 12.5$	12.5
$12.5 \times 4 + 4.5 = 54.5$	54.5
$54.5 \times 6 + 6.5 = 333.5$	333.5
$333.5 \times 8 + 8.5 = 2676.5$	2676.5
$2676.5 \times 10 + 10.5 = 26775.5$	26775.5 ✓

Hence, option C is correct.

6.

Series Pattern	Given Series
4	4
$4 + 3^2 = 13$	13
$13 + 5^2 = 38$	38
$38 + 7^2 = 87$	87
$87 + 9^2 = 168$	168 ✓
$168 + 11^2 = 289$	289

Hence, option A is correct.

7.

Series Pattern	Given Series
6	6
$6 \times 2 = 12$	12
$12 \times 2.5 = 30$	30 ✓
$30 \times 3 = 90$	90
$90 \times 3.5 = 315$	315
$315 \times 4 = 1260$	1260

Hence, option C is correct.

8.

Series Pattern **Given Series**

$(23)^2 = 529$ 529

$(25)^2 = 625$ **625** ✓

$(27)^2 = 729$ 729

$(29)^2 = 841$ 841

$(31)^2 = 961$ 961

$(33)^2 = 1089$ 1089

Hence, option C is correct.

9.

Series Pattern **Given Series**

42 42

$42 + 2.6 = 44.6$ 44.6

$44.6 + 5.2 = 49.8$ 49.8

$49.8 + 10.4 = 60.2$ 60.2

$60.2 + 20.8 = 81$ 81

$81 + 41.6 = 122.6$ **122.6** ✓

Hence, option B is correct.

10.

Series Pattern

Given Series

6 6

$6 \times 6 + 6 = 42$ 42

$42 \times 7 + 7 = 301$ 301

$301 \times 8 + 8 = 2416$ 2416

$2416 \times 9 + 9 = 21753$ 21753

$21753 \times 10 + 10 = 217540$ **217540** ✓

Hence, option B is correct.

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