



# SmartKeeda

The Question Bank

Presents

## TestZone

India's least priced Test Series platform

JOIN

### 12 Month Plan

2017-18 All Test Series

@ Just

# ₹ 399/-

300+ Full Length Tests

- Brilliant Test Analysis
- Excellent Content
- Unmatched Explanations

JOIN NOW

# Number series Questions for Bank Clerk Pre & RRB Exams.

## Number series Quiz 12

Directions: Find the missing element in the given series:

1. 82224 9128 1134 156 ? 0.2

- A. 25                      B. 32                      C. 31                      D. 21                      E. None of these

2. 441 428 407 370 ? 168

- A. 365                      B. 348                      C. 301                      D. 285                      E. None of these

3. 4 ? 8 27 104 525

- A. 6                      B. 5                      C. 7                      D. 5.5                      E. None of these

4. 31 34 97 132 ? 742

- A. 741                      B. 712                      C. 665                      D. 643                      E. 598

5. 24 48 120 168 288 ?

- A. 359                      B. 315                      C. 404                      D. 440                      E. None of these

6. 15 34 ? 148 300 604

- A. 69                      B. 82                      C. 93                      D. 72                      E. 75

7. 40 172 354 ? 900 1280

- A. 608                      B. 457                      C. 705                      D. 573                      E. 594

8. 13 24 ? 80 144 256

- A. 45                      B. 62                      C. 54                      D. 44                      E. 39

9. 23 46 138 ? 2760 16560

- A. 552                      B. 605                      C. 543                      D. 472                      E. 398

10. 1 2 3 11 15 ? 51

- A. 47                      B. 42                      C. 35                      D. 22                      E. 49

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	C	B	D	E	D	E	D	A	B

**Explanations:**

1.

**Series Pattern    Given Series**

82224	82224	
$82224 \div 9 - 8$	9128	
$9128 \div 8 - 7$	1134	
$1134 \div 7 - 6$	156	
$156 \div 6 - 5$	21	✓
$21 \div 5 - 4$	0.2	

Hence, option D is correct.

2.

<b>Series I</b>	:	441		428		407		370		?	168
<b>Series II</b>	:		-13		-21		-37		?	?	
<b>Series III</b>	:			8		16		32		?	
<b>Series IV</b>					$\times 2$		$\times 2$		$\times 2$		

Clearly, the pattern in series IV is multiplication of 2.

So, the missing term in series III =  $32 \times 2 = 64$  $\therefore$  missing term in series II =  $-37 - 32 = -69$ ,  $-69 - 64 = -133$  $\therefore$  missing term in series I =  $370 - 69 = 301$ 

<b>Series I</b>	:	441		428		407		370		<b>301</b>		168
<b>Series II</b>	:		-13		-21		-37		<b>-69</b>		<b>-133</b>	
<b>Series III</b>	:			8		16		32		<b>64</b>		
<b>Series IV</b>					$\times 2$		$\times 2$		$\times 2$			

Hence, option C is correct.

3.

**Series Pattern    Given Series**

4	4	
$4 \times 1 + 1$	5	✓
$5 \times 2 - 2$	8	
$8 \times 3 + 3$	27	
$27 \times 4 - 4$	104	
$104 \times 5 + 5$	525	

Hence, option B is correct.

4.

Series Pattern	Given Series
31	31
$31 + 2^2 - 1$	34
$34 + 4^3 - 1$	97
$97 + 6^2 - 1$	132
$132 + 8^3 - 1$	<b>643</b> ✓
$643 + 10^2 - 1$	742

Hence, option D is correct.

5.

Series Pattern	Given Series
$5^2 - 1$	24
$7^2 - 1$	48
$11^2 - 1$	120
$13^2 - 1$	168
$17^2 - 1$	288
$19^2 - 1$	<b>360</b> ✓

Hence, option E is correct.

6.

Series Pattern	Given Series
15	15
$15 \times 2 + 4 = 34$	34
$34 \times 2 + 4 = 72$	<b>72</b> ✓
$72 \times 2 + 4 = 148$	148
$148 \times 2 + 4 = 300$	300
$300 \times 2 + 4 = 604$	604

Hence, option (D) is correct.

7.

Series Pattern	Given Series
40	40
$40 + 11^2 + 11 = 172$	172
$172 + 13^2 + 13 = 354$	354
$354 + 15^2 + 15 = 594$	<b>594</b> ✓
$594 + 17^2 + 17 = 900$	900
$900 + 19^2 + 19 = 1280$	1280

Hence, option (E) is correct.

8.

Series Pattern	Given Series
13	13
$13 \times 2 - 2^1 = 24$	24
$24 \times 2 - 2^2 = 44$	<b>44</b> ✓
$44 \times 2 - 2^3 = 80$	80
$80 \times 2 - 2^4 = 144$	144
$144 \times 2 - 2^5 = 256$	256

Hence, option (D) is correct.

9.

Series Pattern	Given Series
23	23
$23 \times 2 = 46$	46
$46 \times 3 = 138$	138
$138 \times 4 = 552$	<b>552</b> ✓
$552 \times 5 = 2760$	2760
$2760 \times 6 = 16560$	16560

Hence, option (A) is correct.

10.

Series Pattern	Given Series
1	1
$1 + 1^3 = 2$	2
$2 + 1^2 = 3$	3
$3 + 2^3 = 11$	11
$11 + 2^2 = 15$	15
$15 + 3^3 = 42$	<b>42</b> ✓
$42 + 3^2 = 51$	51

Hence, option (B) is correct.



# SmartKeeda

The Question Bank

प्रस्तुत करते हैं

## TestZone

भारत की सबसे किफायती टेस्ट सीरीज़

अभी  
जुड़ें

### 12 Month Plan

2017-18 All Test Series

@ Just

## ₹ 399/-

300+ फुल लेन्थ टेस्ट

- श्रेष्ठ विश्लेषण
- उत्कृष्ट विषय सामग्री
- बेजोड़ व्याख्या

अभी जुड़ें