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CREST Mathematics Olympiad (CMO) Worksheet *for*

Class 1



Topic

Patterns



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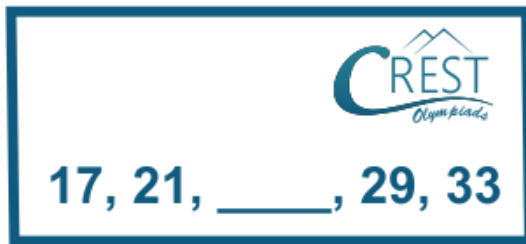
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Worksheet on Patterns

1. Find the missing number in the given number pattern.



- a. 25
- b. 26
- c. 27
- d. 28

2. What comes next in the given pattern?



- a. ABCD
- b. ABCDEF
- c. ABCDE
- d. ABCDF

3. What comes after the following series?



a.



b.



c.



d.



4. Find the missing term.

1, 12, 121, __, 12121, 121212.

- a. 1231
- b. 1221
- c. 1232
- d. 1212

5. What comes after the following series?



a.



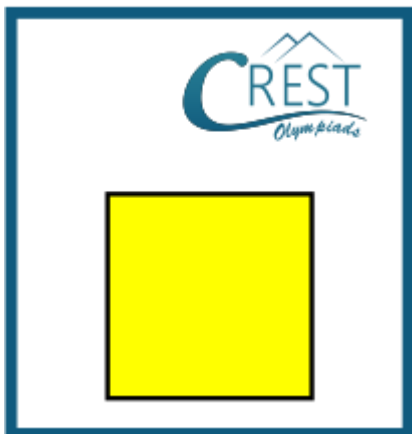
b.



c.



d.



Answer Key

1. a - In this specific pattern, we keep increasing the number by 4 with each move.

Therefore, $17 + 4 = 21$

$$21 + 4 = 25$$

$$25 + 4 = 29$$

$$29 + 4 = 31$$

So, the answer is 31.

2. c - In the above pattern, the next letter is increasing continuously.
A, AB, ABC, ABCD, ABCDE

Therefore, the next term will be ABCDE.

3. d - The given pattern follows the rule:

$$1 + 2 = 3$$

$$3 + 2 = 5$$

$$5 + 2 = 7$$

Hence, 7 will be the answer.

4. d - The rule of the pattern is given below:

1

12

121

1212

12121

Therefore, 1212 will be the required answer.

5. c - The pattern of the question is:



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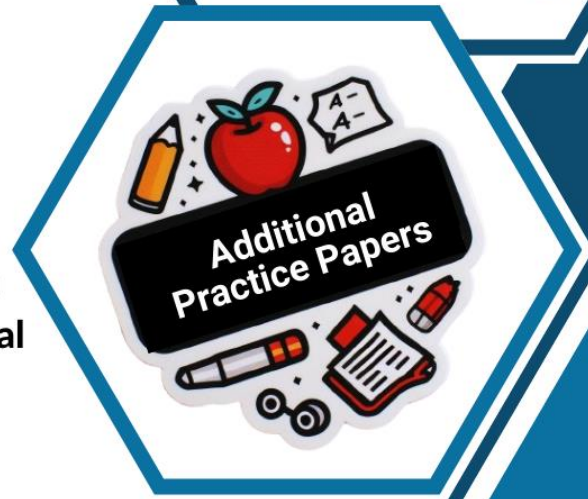
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