1. Find the 5th term for the following number sequence.
*Cari sebutan ke-5 bagi jujukan nombor yang berikut.*

2, 9, 16, ...

- A 23
- B 27
- C 30
- D 37

2. Find the missing number in the following sequence.
*Cari nombor yang tertinggal dalam jujukan yang berikut.*

9, 18, 36, 72, _____, 288

- A 120
- B 144
- C 160
- D 254

3. Which of the following is a sequence of odd numbers?
*Antara berikut, yang manakah jujukan nombor ganjil?*

- A 15, 19, 17, 17, 21
- B 17, 19, 21, 24, 27
- C 19, 23, 27, 31, 35
- D 21, 22, 23, 24, 25

4. How many even numbers are there from 27 to 49?
*Berapakah bilangan nombor genap yang ada dari 27 hingga 49?*

- A 12
- B 11
- C 6
- D 4

5. How many dots will be in the next pattern?
*Berapakah bilangan titik yang ada pada corak yang seterusnya?*

- A 22
- B 21
- C 20
- D 19

LIVEWORKSHEETS

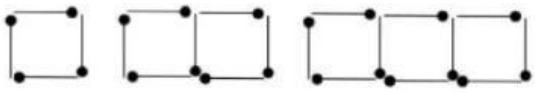
6. The $x$ in the Fibonacci Numbers ..., 21, 34, $x$, 89, 144, ... is
*Nilai x dalam Nombor Fibonacci ..., 21, 34, x, 89, 144, ... ialah*

- A 13
- B 55
- C 123
- D 233

7. Ahmad participated in a training for cycling. He cycled every day with increasing distance by 4 km each subsequent day. On the fifth day, he cycled 30 km. How far did Ahmad cycle on the first day of training?
*Ahmad menyertai suatu latihan berbasikal. Dia berbasikal setiap hari dengan jarak bertambah 4 km setiap hari berikutnya. Pada hari kelima, dia berbasikal sejauh 30 km. Berapa jauhkah Ahmad berbasikal pada hari pertama latihan itu?*

- A 12
- B 13
- C 14
- D 15

8. The diagram shows a pattern formed by matchsticks.
*Rajah di bawah menunjukkan satu pola yang dibentuk oleh mancis.*



If the pattern is continued, how many matchsticks would be used to make the 14th shape?
*Jika pola ini diteruskan, berapakah mancis yang diperlukan untuk membina bentuk ke-14?*

- A 41
- B 43
- C 47
- D 49

9. 2, 6, 18, 54, 162, 486, ...

What is the next number?
*Apakah nombor seterusnya?*

- A 2 430
- B 1 944
- C 1 458
- D 972

10. The diagram shows a sequence.
*Rajah di bawah menunjukkan satu urutan.*

3, 4, 6, $Y$, 13

The value of $Y$ is
*Nilai Y ialah*

- A 8
- B 9
- C 10
- D 11

LIVEWORKSHEETS

**11.** Which of the following number sequences is formed by dividing the previous numbe
*Antara jujukan nombor berikut, yang manakah dibentuk dengan membahagi nombor ya belumnya dengan 3?*

- **A** 3, 9, 27, 81, 243
- **B** 150, 120, 90, 60, 30
- **C** 256, 128, 64, 32, 16
- **D** 324, 108, 36, 12, 4

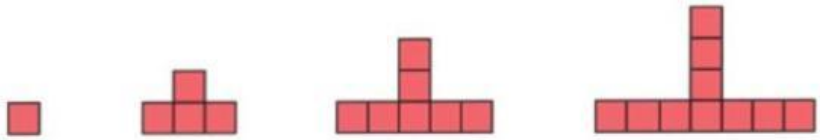
**12.** It is given that the $n^{th}$ term, $T_n$, of a sequence is $2n - 5$. Find the $5^{th}$ term.
*Diberi sebutan ke-n, $T_n$, suatu jujukan ialah $2n - 5$. Cari sebutan ke-5.*

- **A** 4
- **B** 5
- **C** 10
- **D** 15

**13.** Which of the following is a sequence of even numbers?
*Antara berikut, yang manakah merupakan jujukan nombor genap?*

- **A** 1, 3, 5, 7, 9, ...
- **B** 2, 4, 6, 8, 10, ...
- **C** 3, 6, 9, 12, 15, ...
- **D** 5, 10, 15, 20, 25, ...

**14.** The diagram shows the tiles arranged in a certain pattern.
*Rajah di bawah menunjukkan jubin yang disusun mengikut suatu corak.*



Find the number of tiles in the $6^{th}$ set of tiles.
*Cari bilangan jubin pada set jubin yang ke-6.*

- **A** 18
- **B** 17
- **C** 16
- **D** 15

**15.** Find the value of $x$ in the number sequence 2, 5, 11, 23, $x$ and 95.
*Cari nilai x dalam jujukan nombor 2, 5, 11, 23, x dan 95.*

- **A** 36
- **B** 40
- **C** 45
- **D** 47

LIVEWORKSHEETS

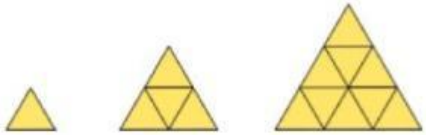
16.

10, 5, 2.5, 1.25, 0.625, 0.3125

What is the pattern of the number sequence above?
*Apakah pola bagi urutan nombor di atas?*

- A Add 0.5 to the previous number
  *Tambah 0.5 kepada nombor sebelumnya*
- B Multiply 0.5 to the previous number
  *Darab 0.5 kepada nombor sebelumnya*
- C Divide 0.5 to the previous number
  *Bahagi 0.5 kepada nombor sebelumnya*
- D Subtract 0.5 from the previous number
  *Tolak 0.5 daripada nombor sebelumnya*

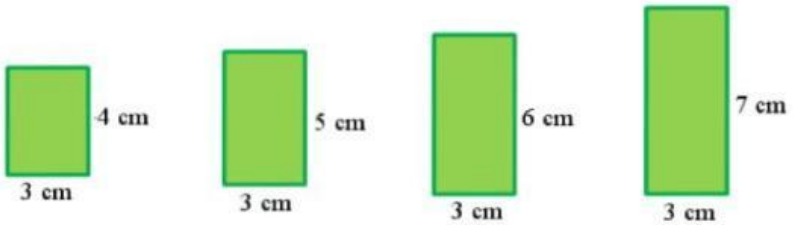
17. The diagram shows a sequence of shapes.
*Rajah di bawah menunjukkan suatu susunan bentuk.*



How many triangles are there in the 5th term?
*Berapakah segi tiga yang ada pada bentuk ke-5?*

- A 12
- B 16
- C 25
- D 28

18. The diagram shows the first four rectangles of a sequence.
*Rajah di bawah menunjukkan empat segi empat tepat yang pertama bagi suatu jujukan.*




Find the perimeter of the 6th rectangle.
*Cari perimeter bagi segi empat tepat ke-6.*

- A 18 cm
- B 20 cm
- C 22 cm
- D 24 cm

19.

9, 17, 25, ____, 41, ____

What are the missing numbers in the above sequence?
*Apakah nombor yang tertinggal dalam jujukan di atas?*

- A 30, 45
- B 31, 49
- C 32, 41
- D 33, 49

LIVEWORKSHEETS

**20.** Given the number sequence −7, −2, 3, 8, .... Find the $8^{th}$ term, $T_8$.
*Diberi jujukan nombor* −7, −2, 3, 8, .... *Cari sebutan ke*-8, $T_8$.

- **A** 29
- **B** 28
- **C** 25
- **D** 23

LIVEWORKSHEETS