



Praktis Ekstra Sumatif

Bab 1

1. Lengkapi urutan Nombor Fibonacci berikut.

Complete the following Fibonacci Numbers.

(a) 1, __, 2, 3, 5, __, __, ...

(b) 1, 4, 5, 9, __, __, ...

Jawapan/ Answer:

2. Lukis bentuk yang seterusnya bagi setiap pola yang berikut.

Draw the next shape of each of the following patterns



Jawapan/ Answer:

3. Kenal pasti dan perihalkan pola bagi set nombor berikut.

Identify and describe the pattern for the following sets of numbers.

(a) 54, 51, 48, 45, ...

(b) -72, -36, -18, -9, ...

(c) 36, 144, 576, 2 304, ...

Jawapan/ Answer:

4. Nyatakan sama ada setiap yang berikut ialah jujukan atau bukan jujukan.

State whether each of the following is a sequence or not a sequence.

(a) 6, 11, 42, 18, 9, 0, ...

(b) 90, 74, 58, 42, 26, ...

(c) -61, -40, -19, 2, 23, ...



Jawapan/ Answer:

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5. Nyatakan pola bagi setiap jujukan berikut dalam ungkapan algebra.

State the pattern of each of the following sequences in algebraic expressions.

(a) 1, 5, 9, 13, 17, 21, ...

(b) 38, 34, 30, 26, 22, ...

Jawapan/ Answer:

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6. Rajah di bawah menunjukkan pasangan tertib.

The diagram below shows the ordered pairs.

$\{(1, 3), (2, 6), (3, m), (4, 12), (5, 15)\}$

Cari nilai m .

Find the value of m .

Jawapan/ Answer:

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7. Rajah di bawah menunjukkan satu jujukan nombor.

The diagram below shows a number sequence.

8, 16, m , 64, n , 256, ...

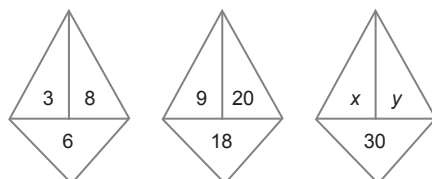
Cari nilai $n - m$.

Find the value of $n - m$.

Jawapan/ Answer:

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8. Rajah di bawah menunjukkan satu pola nombor.

The diagram below shows a number pattern.



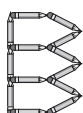
Hitung nilai x dan y .

Calculate the values of x and y .

Jawapan/ Answer:

9. Amin menyusun beberapa batang pensel seperti yang ditunjukkan dalam rajah di bawah.

Amin arranges a few pencils as shown in the diagram below.



Susunan 1 Susunan 2 Susunan 3
Arrangement 1 Arrangement 2 Arrangement 3

Sekiranya pola tersebut diteruskan, berapakah bilangan pensel yang diperlukan bagi Susunan 8?

If the pattern continues, how many pencils are needed for Arrangement 8?

Jawapan/ Answer:

10. Umar menyusun batang mancis seperti yang ditunjukkan dalam rajah di bawah.

Umar arranges match sticks as shown in the diagram below.



Tentukan sama ada 146 batang mancis merupakan sebutan jujukan tersebut. Jika ya, nyatakan kedudukan sebutan tersebut.

Determine whether 146 match sticks is a term of the sequence. If yes, state the position of the term.

Jawapan/ Answer: