Describing Sequences PPQs

(1)

Describe, **in words**, the rule for continuing **each** of the following sequences.

(i) 1, 8, 15, 22, ...

Rule: .....

.....

(ii) 4, 12, 36, 108, ...

Rule: .....

.....

[2]

(2)

Describe, **in words**, the rule for continuing **each** of the following sequences.

(i) 1, 8, 15, 22, ...

Rule: .....

.....

(ii) 4, 12, 36, 108, ...

Rule: .....

.....

[2]

(3)

Describe **in words** the rule for continuing **each** of the following sequences.

(i) 1, 4, 7, 10, ...

Rule: .....

.....

(ii) 64, 32, 16, 8, ...

Rule: .....

.....

[2]

(4)

Describe **in words** the rule for continuing **each** of the following sequences.

(a) 50, 45, 40, 35, ...

Rule: .....

.....

[1]

(b) 2, 6, 18, 54, ...

Rule: .....

.....

[1]

(5) Describe, **in words**, the rule for continuing **each** of the following sequences.

(i) 36, 31, 26, 21, ...

Rule: .....

.....

(i) 3, 9, 27, 81, ...

Rule: .....

.....

[2]

(6) Write down the next two terms of the following sequence.

17, 16, 13, 8, ..., ... [2]

(7) Write down the next two terms of the following sequence.

20, 17, 13, 8, ..., ...

.....

.....

[2]

(8) Write down the nth term of the sequence 6, 10, 14, 18, 22, ...

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.....

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[2]

only

(9) The nth term of a sequence is $n^2 + 3$.
Write down the first three terms of the sequence.

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[2]

(10) Write down the nth term of the sequence 8, 15, 22, 29, 36, ...

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[2]