

**AQA – Sequences – GCSE Mathematics Paper-2**

1. **May/2020/Paper\_2F/No.4**

The term-to-term rule for a sequence is

add 1 then double

The first two terms are 2 and 6

Circle the next term.

**[1 mark]**

9

13

14

18

## 2. June/2019/Paper\_2F/No.17

In a bag there are 10p coins, 20p coins and 50p coins.

There are two **fewer** 20p coins than 10p coins.

There are five **more** 50p coins than 10p coins.

(a) Complete the table.

[1 mark]

Coin	Number of coins
10p	$n$
20p	$n - 2$
50p	

(b) Altogether, there are 60 coins.

Work out the total **value** of the 20p coins.

[4 marks]

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Answer £ \_\_\_\_\_

**3. June/2019/Paper\_2F/No.28**

A linear sequence starts

11      21      31      41      ...

Work out an expression for the  $n$ th term of the sequence.

**[2 marks]**

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Answer \_\_\_\_\_

4. Nov/2019/Paper\_2F/No.29

The 5th term of a linear sequence is 17

The 6th term of the sequence is 21

Work out the 100th term of the sequence.

**[3 marks]**

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Answer \_\_\_\_\_

5. Nov/2019/Paper\_2H/No.10

The 5th term of a linear sequence is 17

The 6th term of the sequence is 21

Work out the 100th term of the sequence.

**[3 marks]**

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Answer \_\_\_\_\_