

AQA – Sequences – GCSE 2022 Mathematics

1. June/2022/Paper_8300/3F/No.24

A is an arithmetic progression.

Here are the first four terms.

13

16

19

22

G is a geometric progression.

Here are the first four terms.

2

4

8

16

$$n\text{th term of A} = 8\text{th term of G}$$

Work out the value of n .

[4 marks]

$$n = \underline{\hspace{10em}}$$

2. June/2022/Paper_8300/3H/No.7

A is an **arithmetic** progression.

Here are the first four terms.

13 16 19 22

G is a **geometric** progression.

Here are the first four terms.

2 4 8 16

n th term of A = 8th term of G

Work out the value of n .

[4 marks]

$n =$ _____

3. June/2022/Paper_8300/3H/No.10

The mass of a baby is 3.6 kilograms to 1 decimal place.

What is the error interval for the mass in kilograms?

Tick one box.

[1 mark]

$$3.5 \leq \text{mass} \leq 3.6$$

$$3.55 \leq \text{mass} \leq 3.65$$

$$3.5 \leq \text{mass} < 3.6$$

$$3.55 \leq \text{mass} < 3.65$$