Q1.

This sequence of numbers **goes up by 40** each time.

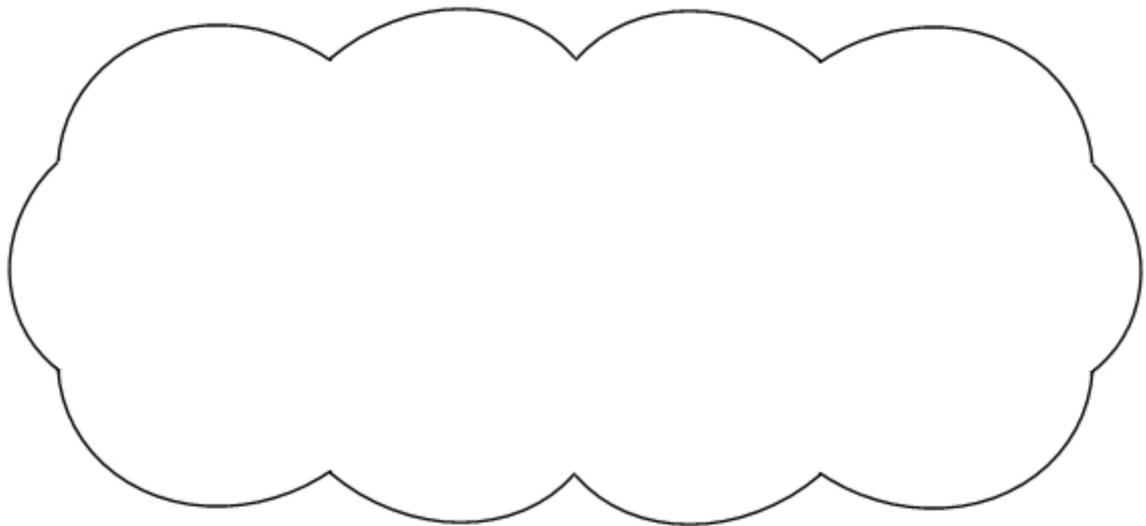40   80   120   160   200   ...

This sequence continues.

Will the number **2140** be in the sequence?

Circle **Yes** or **No**.   Yes / No

Explain how you know.

1 mark

Mark schemes

Q1.

Explanation which recognises that the numbers in the sequence are multiples of 40 and that 2140 is not **OR** that only the even hundreds in the sequence have the numbers ending in 40, eg

- 'it doesn't divide by 40';

- '140 isn't in it so 2140 won't be';

- 'it will go 2000, 2040, 2080, 2120, 2160 ... so there's no 2140'.

> **No mark** is awarded for circling 'No' alone.
>
> Do not accept vague or arbitrary explanations, eg
> - 'It's odd, so it won't be there';
> - 'It's not part of the sequence'.

[1]