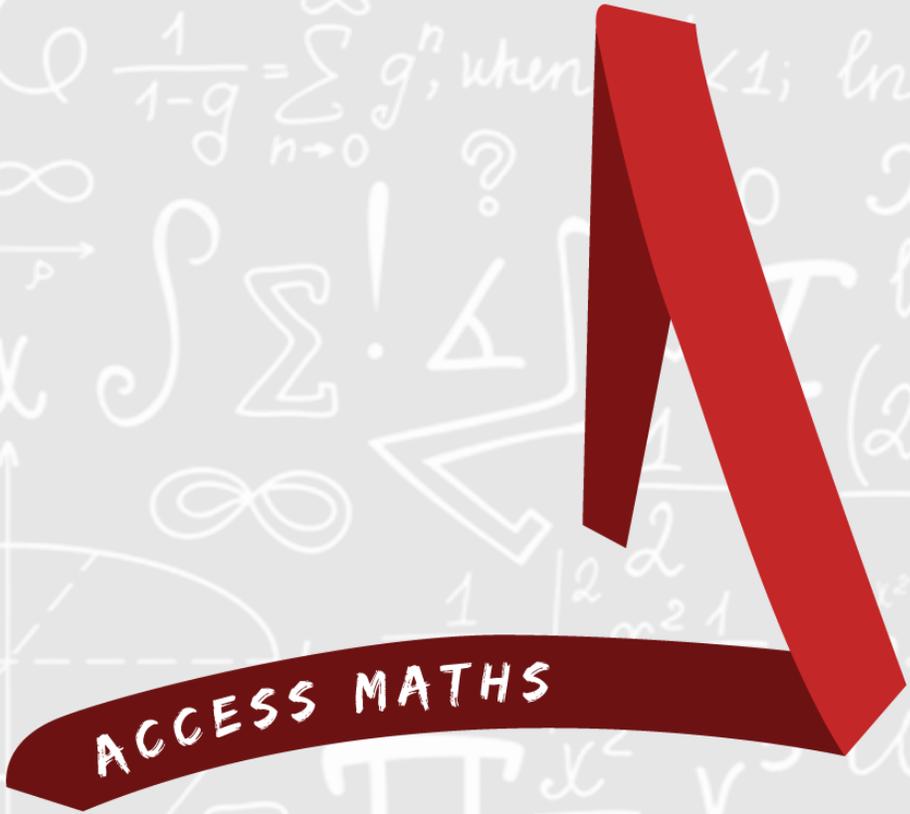


NUMERACY CHALLENGE



LEVEL 1



LEVEL 2

NUMERACY CHALLENGE



Certain snails such as the one above have a nautilus shell that resembles the Fibonacci sequence. This very special spiral is called a logarithmic spiral.

A snail is at the bottom of a 20 meter deep pit.

Every day the snail climbs 5 meters upwards, but at night, it slides 4 meters back downwards.

How many days does it take before the snail reaches the top of the pit?

LEVEL 1

NUMERACY CHALLENGE

1	2	3	4
5	6	7	8
9	10	11	12

Divide this grid strictly along the red lines into two parts so that the total sum of the numbers in one part equals the total sum of the numbers in the other part.

NUMERACY CHALLENGE LEVEL 1

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NUMERACY CHALLENGE LEVEL 1

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Every day the snail climbs 5 meters upwards, but at night, it slides 4 meters back downwards.

How many days does it take before the snail reaches the top of the pit?

NUMERACY CHALLENGE LEVEL 2

1	2	3	4
5	6	7	8
9	10	11	12

Divide this grid strictly along the red lines into two parts so that the total sum of the numbers in one part equals the total sum of the numbers in the other part.

NUMERACY CHALLENGE LEVEL 2

1	2	3	4
5	6	7	8
9	10	11	12

Divide this grid strictly along the red lines into two parts so that the total sum of the numbers in one part equals the total sum of the numbers in the other part.

LEVEL 1

On the first day, the snail reaches a height of 5 meters and slides down 4 meters at night, and thus ends at a height of 1 meter.

On the second day, he reaches 6 meters, but slides back to 2 meters. On the third day, he reaches 7 meters, but slides back to 3 meters... On the fifteenth day, he reaches 19 meters, but slides back to 15 meters. On the sixteenth day, he reaches 20 meters, so *now* he is at the top of the pit!

Conclusion: The snail reaches the top of the pit on the 16th day!

LEVEL 2

1	2	3	4
5	6	7	8
9	10	11	12