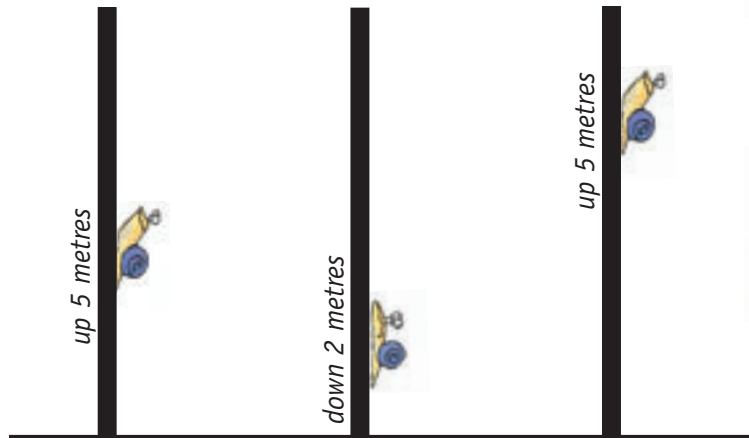


Ups and Downs

You need a number line (optional)

Activity

Slimey the Snail has fallen to the bottom of a well. The well is 26 metres deep. Slimey begins to climb out.



In the first hour, he climbs up 5 metres.

In the second hour, he rests. While he is resting, he slides down 2 metres.

In the third hour, he climbs up 5 metres.



Slimey continues going up 5 metres in an hour and then sliding back 2 metres during his resting hour.

Being a mathematical snail, Slimey decides to make a graph of his climb. During each rest hour, he puts more points on his graph.

1. Draw Slimey's graph and continue putting points on it.
How long does it take Slimey to get to the top of the well?
2. Draw the graph of Sluggish the Snail, who is at the bottom of a well that is 27 metres high. He climbs up 7 metres in 1 hour but slips back 3 metres every second hour.
How long does Sluggish take to reach the top of the well?



Slimey's Climb

