

# Snail Trails

**You need** ✓ square dot paper

✓ a ruler

✓ a classmate

## Activity

When Snitch the Snail munches his way through a cabbage patch, he slides along like this:



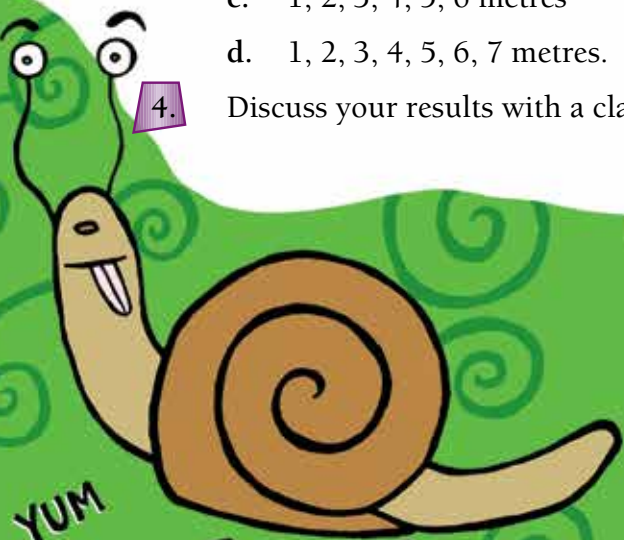
He slides forward for 1 metre,

he turns right and slides forward for 2 metres,

and then he turns right and slides forward for 3 metres.

Then Snitch repeats the pattern. He turns right and slides forward for 1 metre, he turns right and slides forward for 2 metres, and so on.

1. Draw Snitch's 1, 2, 3 metre path on square dot paper.
2. Snitch wants to get back to where he started from. How many sets of 1, 2, 3 metre slides does he need to do?
3. Draw Snitch's path if he repeats the following slide sequence four times (he always turns to the right):
  - a. 1, 2, 3, 4 metres
  - b. 1, 2, 3, 4, 5 metres
  - c. 1, 2, 3, 4, 5, 6 metres
  - d. 1, 2, 3, 4, 5, 6, 7 metres.
4. Discuss your results with a classmate.



MUNCH

CRUNCH

MUNCH