
Problem 2: Josh's Ant Farm

Teaching and observation points

- spotting and continuing a counting pattern
- creating a counting pattern
- working with days of the week
- drawing pictures or listing numbers to solve the problem

Use the *Josh's Ant Farm* slides to introduce a simple counting pattern linked to the days of the week. Involve the students in predicting how many tomorrow and in naming the counting pattern used.

STAR

Sort out

What does Josh keep in his farm?
What does he notice is changing every day?
How does the number of ants in the ant farm change every day?
What does Josh want to know?
What do you need to do when you have answered Josh's question?

Think about

How will you show how the pattern grows?
Will you make an organised list using numbers, a number line or a diagram or pictures or a mixture of them all to show your solution?
How you will know when you have continued the pattern long enough?

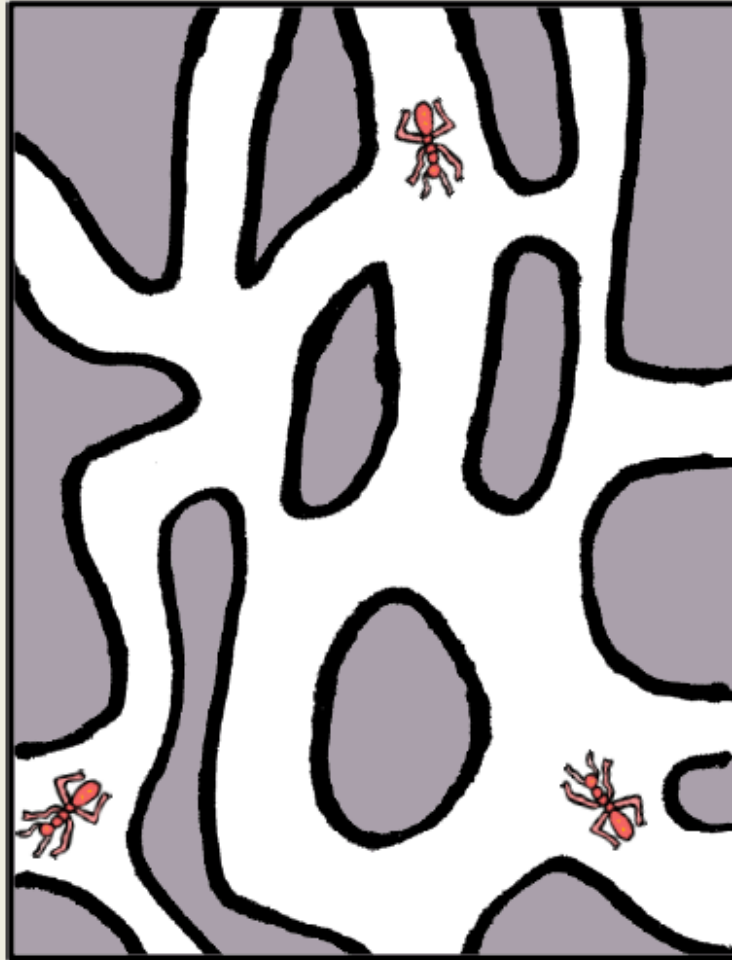
Action

Reflect on

Which method of solving the problem is easiest to follow? Why is that?
How did listing the days of the week help with the solution?
Why did some people not list the days of the week? How did they know when to finish?
Which new ant pattern story did you think was most challenging? Why was that?
What problem solving strategies did you use?

Problem 2: Josh's Ant Farm

Every day Josh counts two more ants in his ant farm than he did the day before. He counted 3 ants on Tuesday.



Draw more ants in the ant farm to show how many ants Josh will see on Saturday.

Make up a new ant farm pattern and work out how many ants will be in the ant farm on Saturday.

Monday	<input type="text"/>	Tuesday	<input type="text"/>	Wednesday	<input type="text"/>
Thursday	<input type="text"/>	Friday	<input type="text"/>	Saturday	<input type="text"/>