

Diving into Mastery



# Negative Numbers

twinkl

# Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



**Diving**



**Deeper**



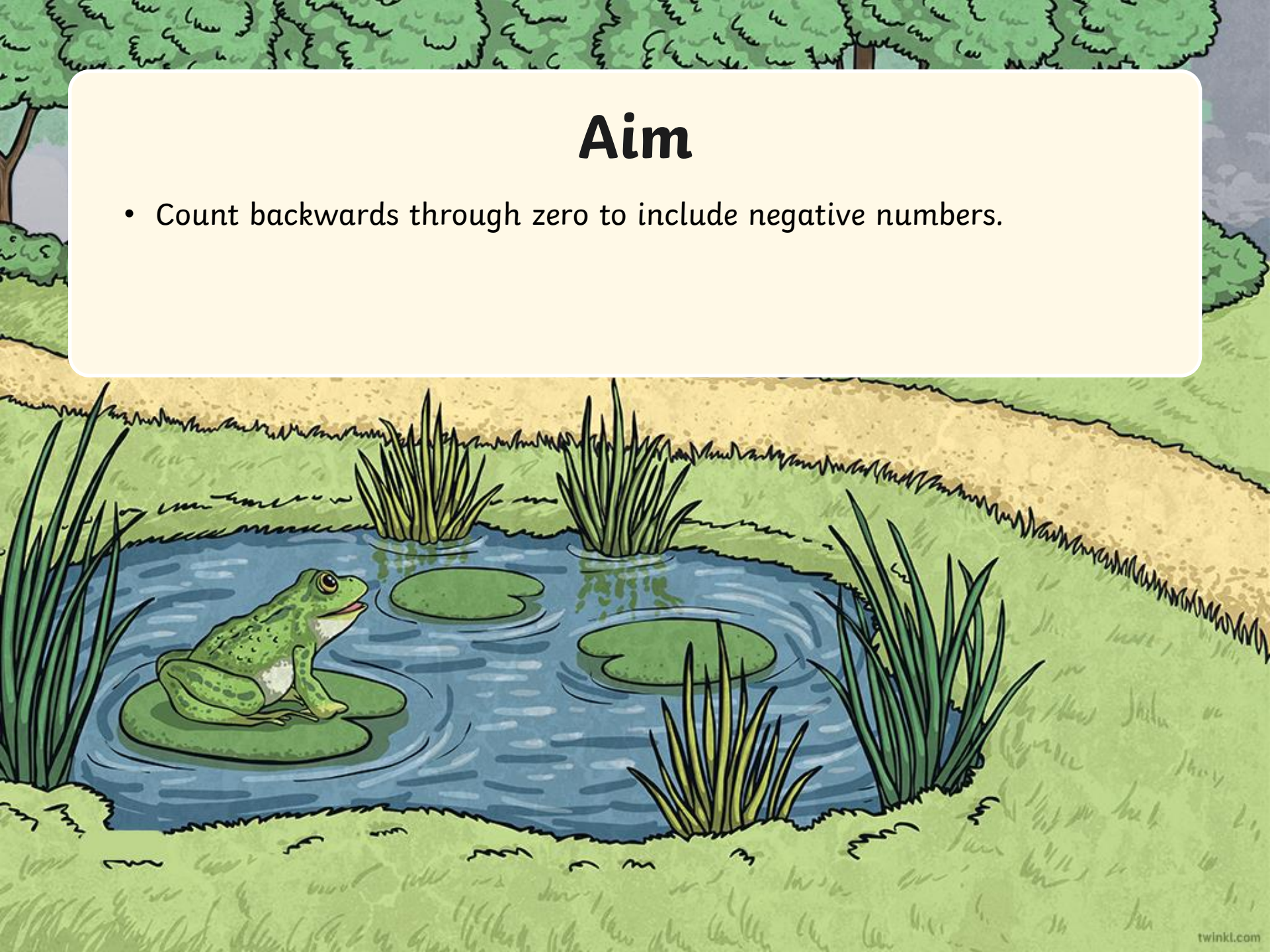
**Deepest**

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

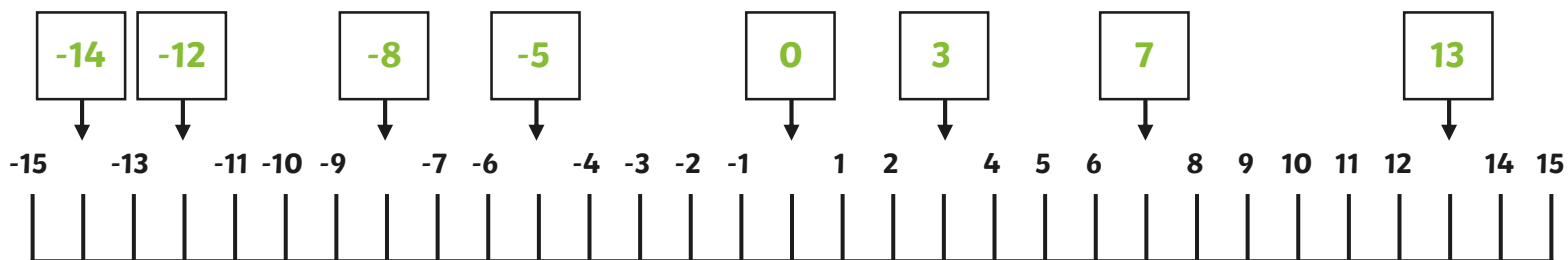
# Aim

- Count backwards through zero to include negative numbers.





Complete the missing numbers on this number line.





Write the number each frog has landed on.

-9



-5



-6

-2





Write the number each frog has landed on.

-7



3



-3





Do you agree with Freya? Explain your reasons.



The frog has landed on -3 because it is 3 spaces before 1.



Freya is not correct – the frog is 3 spaces before 1, but this number is -2. She has forgotten to include 0 in her counting.



Do you agree with Harley? Explain your reasons.



My frog can jump to the left in steps of 2. It will land on -6.



Harley is correct – the frog will land on 2, 0, -2, -4 and -6.





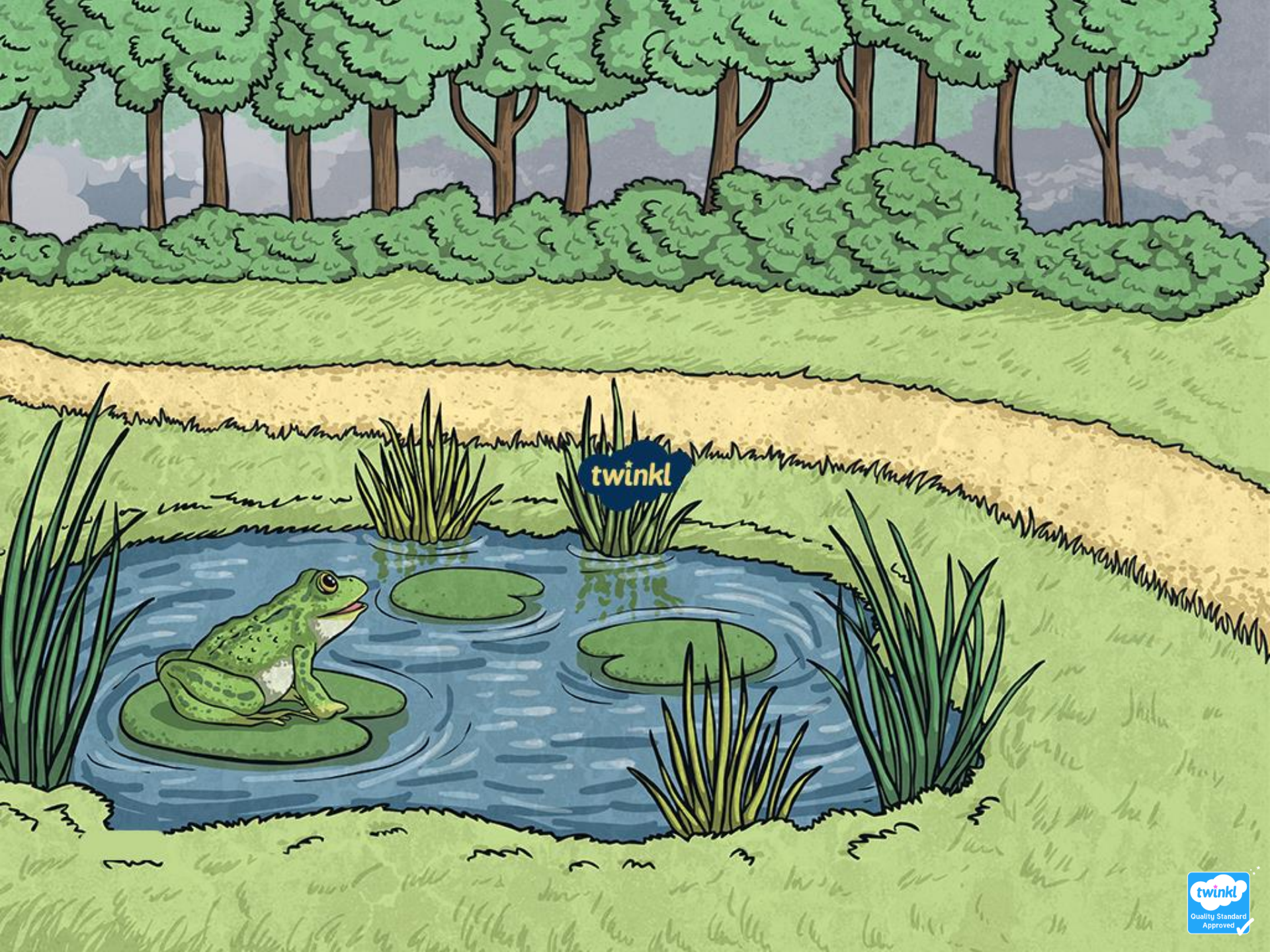
Charlie's frog started at 1. She moved it some spaces to the right and then some spaces to the left. Her frog ended up at -3.

**How could Charlie have moved her frog? How many different ways can you find? What do you notice about your answers?**



4 right, 8 left  
3 right, 7 left  
2 right, 6 left  
1 right, 5 left

The difference between the number of spaces left and right is always 4.



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