



## Think

Where is this forest? What animals might live here now?



## Respond

Compose a poem describing the scene in the photograph.



## Discuss

Are there enough trees in the world?  
Should we plant more?



## Discover

**Fact:** The name Antarctica comes from 'ant-' meaning the opposite and the Greek word **ktikos**, meaning north.

**Question:** Where does the word Arctic come from? What is the link with bears? Find the etymology (word origin) of some place names near you.



## Solve

Each tree has 8 branches, each branch has 8 twigs and each twig has 8 leaves. How many twigs are on each tree? How many leaves? How many twigs and leaves on 12 trees?



## Reimagine

Draw a species of dinosaur that might have been found deep in the Antarctic forest.



# Polar Forest **Answers**

## How many twigs are on each tree?

There are 8 branches on each tree and 8 twigs on each branch:

$$8 \times 8 = 64 \text{ twigs}$$

## How many leaves?

There are 64 twigs on each tree and 8 leaves on each twig:

$$64 \times 8 = 512 \text{ leaves}$$

## How many twigs and leaves on 12 trees?

There are 64 twigs on each tree:

$$64 \times 12 = 768$$

There are 512 leaves on each tree:

$$512 \times 12 = 6144 \text{ leaves}$$