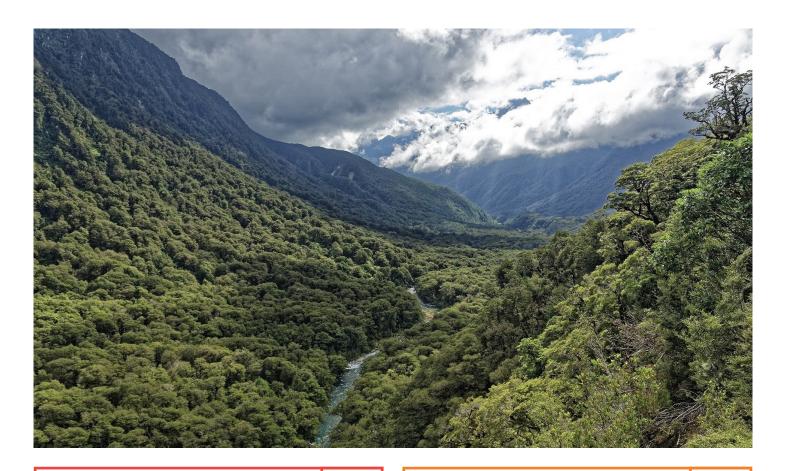
Polar Forest



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?

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?

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.

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:

 $8 \times 8 = 64$ twigs

How many leaves?

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

 $64 \times 8 = 512$ 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:

 $512 \times 12 = 6144$ leaves



