

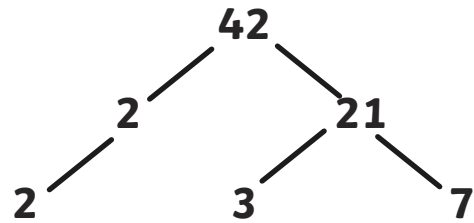
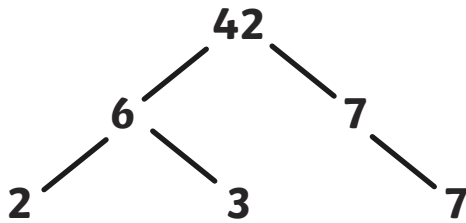
Factor Tree

Amazing Fact

The tallest tree in the world is a coast redwood called 'Hyperion' located in Northern California. It was only discovered in 2006 and measures 115 metres tall!

Challenge

Factor trees are a great way of finding the factors of a number:



Here we can see that some of the factors of 42 are, 2,3,6,7,21.

a. Can you find any more by starting another factor tree for **42**? Show your working out here:

Use factor trees to find the factors of the following numbers:

b. **18**

c. **21**

d. **49**

e. **56**

You could also try to find out:

- why the location of it is kept secret;
- why the giant redwood grows so tall;
- about the trees you can drive your car through;
- whether there have been any taller trees in the history of Earth.

Factor Tree **Answers**

a. 42 – 1,2,3,6,7,14,21,42

b. 18 – 1, 2, 3, 6, 9, 18.,

c. 21 – 1,3,7,21

d. 49 – 1,7,49

e. 56 - 1, 2, 4, 7, 14, 28