

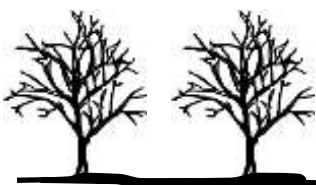


## PROBLEM SOLVING - TALLEST TREES (METRIC)

Here is a selection of some of the tallest trees in the world today.

Tree	Height (m)	Order of height
Australian Mountain Ash		
Coast Douglas Fir	99	
Coast Redwood	116	
Giant Sequoia		
Manna Gum	89	1
Sitka Spruce		
Tasmanian Blue Gum	91	

- Use the data below to complete the missing information in the table.
  - The Sitka Spruce is 8m taller than the Manna Gum tree.
  - The Giant Sequoia is 21m shorter than the Coast Redwood.
  - The Australian Mountain Ash is 11m taller than the Manna Gum.
- Put the trees in order of height, from 1 to 7, with 1 being the shortest and 7 being the tallest.
- How much taller is the Coast Redwood than the Sitka Spruce? \_\_\_ m
- How much shorter is the Manna Gum than the Coast Redwood? \_\_\_ m
- Tyger climbs halfway up a tree. He is  $45\frac{1}{2}$ m off the ground. Which tree has he climbed? \_\_\_\_\_
- The height of a mature oak tree is about 21m. Tyger says "The Coast Redwood is taller than 5 mature oak trees." Is he correct? \_\_\_\_\_





## PROBLEM SOLVING - TALLEST TREES (METRIC) ANSWERS

Tree	Height (m)	Order of height
Australian Mountain Ash	100	6
Coast Douglas Fir	99	5
Coast Redwood	116	7
Giant Sequoia	95	3
Manna Gum	89	1
Sitka Spruce	97	4
Tasmanian Blue Gum	91	2

- Use the data below to complete the missing information in the table.
  - The Sitka Spruce is 8m taller than the Manna Gum tree.
  - The Giant Sequoia is 21m shorter than the Coast Redwood.
  - The Manna Gum is 11m shorter than the Australian Mountain Ash.
- Put the trees in order of height, from 1 to 7, with 1 being the shortest and 7 being the tallest.
- How much taller is the Coast Redwood than the Sitka Spruce? **19m**
- How much shorter is the Manna Gum than the Coast Redwood? **27m**
- Tyger climbs halfway up a tree. He is  $45\frac{1}{2}$ m off the ground. Which tree has he climbed? **Tasmanian Blue Gum**
- The height of an mature oak tree is about 21m. Tyger says "The Coast Redwood is taller than 5 oak trees together." Is he correct?  
 **$5 \times 21 = 105$ m. Coast Redwood is 116m. He is correct.**