

The tree, the slide and the shadow

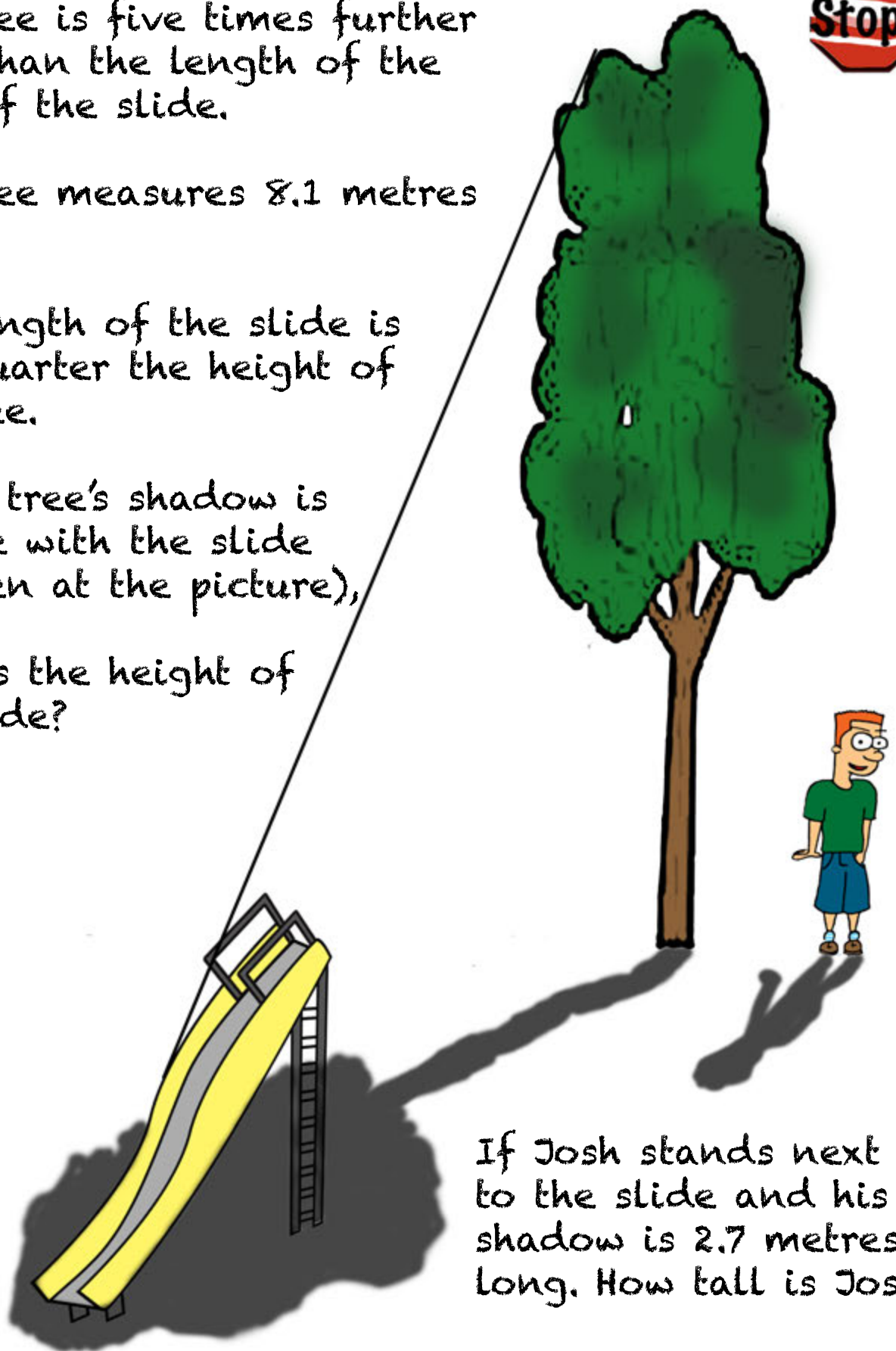
The tree is five times further back than the length of the base of the slide.

The tree measures 8.1 metres high.

The length of the slide is one quarter the height of the tree.

If the tree's shadow is in line with the slide (as seen at the picture),

what is the height of the slide?



If Josh stands next to the slide and his shadow is 2.7 metres long. How tall is Josh?