Everest Staircase

Think

Where is this man going? What will he do when he gets there?

Respond

Imagine your staircase is a mountain. Write an account of your perilous journey to the summit.

Solve

Measure the height of one of your stairs. Calculate the height of the staircase. How many steps would you have to climb to reach 100 metres?

Challenge: How many steps would you have to climb to reach the height of Mount Everest (8848m)?

Reimagine

Paint a picture of a mountain. You could make it calm and peaceful or the scene of a mighty storm.

Discover

Fact: The Tibetan name for Mount Everest is Qomolangma which means 'Goddess' or 'Holy Mother'.

Question: How did it get the name Everest? By what other names has it been known?

Discuss

Why is exercise important? What can you do to keep fit?

Everest Staircase **Answers**

Calculate the height of the staircase.
This will depend on the height of each step and the number of steps. For example, if there were 13 steps each 20cm high: 13 × 20 = 260cm (or 2.6m)
How many steps would you have to climb to reach 100 metres?
There are 10 000cm in 100m. If the steps are 20cm high: 10 000 ÷ 20 = 500 steps
Challenge: How many steps would you have to climb to reach the height of Mount Everest (8800m)?
There are 884 800cm in 8848m. If the steps are 20cm high: 884 800 ÷ 20 = 44 240 steps