



Central & South Asia

## The towering Mount Everest

It's the world's highest mountain ... and the biggest climbing thrill!



**Question 1** Mount Everest's height is 8,848 m above sea level. What's its height rounded to the nearest 10 m?



**Question 2** What's the difference between Mount Everest's tallest peak, 8,848 m, and its second tallest peak, 8,748 m?



**Question 3** Mount Everest's total height, 8,848 m, includes 4 m of snow at the top. What simplified fraction shows this layer of snow as a share of the mountain's total height?



**Question 4** If the height of Mount Everest continues to increase by 5 mm per year, how many years will it take to increase to 8,850 m from its current height of 8,848 m?

## = Answers & solutions = + x = + x = + x = + x = + x = + x

**Question 1 Answer.** 8,850 m

Solution. The final digit, 8, rounds up, so 8,848 rounds to 8,850

**Question 2 Answer.** 100 m

Solution.  $8,848 - 8,748 = 100$

**Question 3 Answer.**  $\frac{1}{2212}$

Solution.  $\frac{4}{8848} = \frac{1}{2212}$

**Question 4 Answer.** 400 years

Solution.  $(8,850 - 8,848) \div 0.005 = 2 \div 0.005 = 2 \times 200 = 400$

## = Now turn the tables around! x = + x = + x = + x = + x

Stretch your thinking and unleash your creativity! You'll see below some facts used to make up questions you answered. How could you combine and apply these facts to create interesting question(s)?

Mount Everest's tallest peak is 8,848 m above sea level.

Its second highest peak is 8,748 m above sea level.

The height of its highest peak includes 4 m of snow.

Each year, its height grows by 5 mm.

## = Can you dig deeper? = + x = + x = + x = + x = + x = + x

Ready to take it even further? Find out more and discover exciting facts about Mount Everest.

Check out online and other sources, write down the facts you find, and use the numbers to develop interesting new questions for family or friends to figure out. Perhaps even write your own mini-research report filled with exciting facts!