

A Million Whys Book 20: Science Quiz

The Mountain Expedition, by Crafty Clover.

Name: _____ Date: _____ Score: _____ / 12

Fill in the missing number. Use the number bank.

Number bank: 1.2 10 12 21 80 1909 7,000 13,000 14,692 15,000 18,000 29,000

1. Mount Everest in Asia is the tallest in the world at about _____ feet.
From: Which Is the Tallest Mountain on Each Continent?
2. The Rockies are younger, mostly lifted up within the last _____ million years, with steep sides and sharp peaks that glaciers also carved.
From: Why Are the Rocky Mountains Jagged but the Appalachians Rounded?
3. Mount Logan's base stretches more than _____ miles across.
From: What Is the Tallest Mountain in Canada?
4. The Matterhorn is _____ feet tall.
From: How Did the Matterhorn Get Its Pointed Shape?
5. In the Canadian Rockies near Banff, the treeline is around _____ feet.
From: What Is the Treeline?
6. A rule of thumb: the distance in miles is about _____ times the square root of your height in feet.
From: Why Can You See So Far From a Mountaintop?
7. Near the equator, trees can grow above _____ feet, while in the Arctic they stop near sea level.
From: Why Is the Treeline Higher Near the Equator than in Canada?
8. An Andean condor's wings stretch about _____ feet across.
From: How Do Big Birds Soar Over Mountains Without Flapping?
9. Bumblebees have been seen flying at over _____ feet in the Himalayas.
From: How Do Bumblebees Stay Warm High in the Mountains?
10. The air at the top of Everest has the same _____ percent oxygen as the air at sea level.
From: How Much Air Is There at the Top of Mount Everest?
11. In the tropics, the snow line is more than _____ feet up.
From: Where Is the Line Above Which Snow Never Melts Away?
12. The Burgess Shale was discovered in _____.
From: Why Are Some of the Oldest Weird Animal Fossils Found High in the Rocky Mountains?

Watch a short video answer for every question at xdme.com

Answer key

1. **29,000** (Mount Everest in Asia is the tallest in the world at about 29,000 feet. Book 20, Question 3)
2. **80** (The Rockies are younger, mostly lifted up within the last 80 million years, with steep sides and sharp peaks that glaciers also carved. Book 20, Question 7)
3. **12** (Mount Logan's base stretches more than 12 miles across. Book 20, Question 9)
4. **14,692** (The Matterhorn is 14,692 feet tall. Book 20, Question 15)
5. **7,000** (In the Canadian Rockies near Banff, the treeline is around 7,000 feet. Book 20, Question 28)
6. **1.2** (A rule of thumb: the distance in miles is about 1.2 times the square root of your height in feet. Book 20, Question 45)
7. **13,000** (Near the equator, trees can grow above 13,000 feet, while in the Arctic they stop near sea level. Book 20, Question 47)
8. **10** (An Andean condor's wings stretch about 10 feet across. Book 20, Question 57)
9. **18,000** (Bumblebees have been seen flying at over 18,000 feet in the Himalayas. Book 20, Question 63)
10. **21** (The air at the top of Everest has the same 21 percent oxygen as the air at sea level. Book 20, Question 77)
11. **15,000** (In the tropics, the snow line is more than 15,000 feet up. Book 20, Question 119)
12. **1909** (The Burgess Shale was discovered in 1909. Book 20, Question 124)