

# When Should A Mountain Climber NOT Call For Help?

TO ANSWER THIS QUESTION: Cross out each box that contains the answer to a problem. When you finish, write the letters from the boxes that are not crossed out in the boxes at the bottom of the page.

- 1 The second of 2 numbers is 7 times the first. Their sum is 32. Find the numbers.
- 2 The second of 2 numbers is 5 more than twice the first. Their sum is 29. Find the numbers.
- 3 The sum of 2 numbers is 42. The first is 6 less than 3 times the second. Find the numbers.
- 4 The greater of 2 numbers is 9 more than the smaller. Their sum is 67. Find the numbers.
- 5 Find 2 numbers whose sum is 49, if the greater is 4 more than 8 times the smaller.
- 6 The first of 2 numbers is 7 less than 5 times the second. Their sum is 113. Find the numbers.
- 7 A 75-meter rope is cut so that one piece is 13 meters shorter than the other. Find the length of each piece.

- 8 Grandpa's age is 7 years less than 6 times Junior's age. The sum of their ages is 70. Find each of their ages.
- 9 The sum of 3 numbers is 45. The first number is 4 times the second, while the third is 9 more than the second. Find the numbers.
- 10 The sum of 3 numbers is 49. The second number is twice the first, and the third is 1 less than the second. Find the numbers.
- 11 The sum of 3 numbers is 79. The second number is 9 times the first, and the third is 3 more than the second. Find the numbers.
- 12 The sum of the angle measures of any triangle is  $180^\circ$ . Find each of the angle measures of a triangle if the second angle measures  $10^\circ$  more than twice the first, and the third angle measures  $10^\circ$  more than the second.

IFT	HIS	WHE	REA	NHE	LPI	ISO	SHA	SLO	NGI
31 m; 44 m	30; 12	20; 5; 14	93; 20	9; 61	11; 59	29; 38	5; 45; 48	4; 36; 39	29 m, 46 m
NGB	WFA	YHI	SFA	LLA	STE	EPA	TOG	ETH	ELP
$20^\circ; 75^\circ; 85^\circ$	24; 6; 15	95; 18	5; 44	4; 28	7; 19	8; 21	10; 20; 19	9; 18; 17	$30^\circ; 70^\circ; 80^\circ$