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How to find two numbers based on product and quotient

1.	. The product of two numbers a and b is 6. Their difference is 1 find a and b	0.
	Let's try to think of two pairs of numbers whose differences is 1	
	1 - O = 1	
	2 - 1 = 1	
	Now, pick out two pairs of numbers from above with a product of 6	
	1 x 0 = 0 4 x 3 = 12	
	$2 \times 1 = 2$ $5 \times 4 = 20$ $3 \times 2 = 6$ $6 \times 5 = 30$	
	You see that, 3 and 2 gives a product of 6.	
	So, a = 3 and b = 2.	
2.	The sum of two numbers a and b is 32. Their quotient is 7. Find a and b.	
	Let's try to think of two pairs of numbers whose difference is 32.	
	31 + 1 = 32	
	27 + 5 = 32	
	Now, pick out two pairs of numbers from above with a quotient of 7	
	Now, pick out two pairs of numbers from above with a quotient of 7 31 ÷ 1 = 1 28 ÷ 4 = 7	
	31 ÷ 1 = 1 28 ÷ 4 = 7 30 ÷ 2 = 15 27 ÷ 5 = 5 R 2	
	31 ÷ 1 = 1 28 ÷ 4 = 7	
	31 ÷ 1 = 1 28 ÷ 4 = 7 30 ÷ 2 = 15 27 ÷ 5 = 5 R 2 29 ÷ 3 = 9 R 2	
	31 ÷ 1 = 1 28 ÷ 4 = 7 30 ÷ 2 = 15 27 ÷ 5 = 5 R 2 29 ÷ 3 = 9 R 2	