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Class:



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a.

b.

Find two numbers based on	sum, differences, product, and quotient
The sum of two numbers a and b is	24 and their quotient is 1. Find the two numbers.
et's try to deduce two equations with a and	b as variables
60, a + b = 241 the sum of a and b	24-b 1
a ÷ b = 1 2 the quotient of a and b	24-b = 1 b 1
Now let's try to find a using equation 1	24 - b = b
a + b = 24	$24 = b + b$, $24 = 2b$, $b = \frac{24}{2}$, $b = 12$
a = 24 - b 3	Finally, let's substitude the value of b in equation 1
hen, let's substitude 24 - b in	a + 12 = 24
equation 2 in place of a	a = 24 - 12
a = 1	(a = 12)
D	Therefore, the two numbers are 12 and 12. (a = 12, b = 12
et's try to think of two numbers whose prod	is 100 and their diffrence is 21. Find the two number
Ve have, 10 x 10 = 100, 20 x 5 = 100,	
low, pick out two pairs of numbers from abo	
ooking at the expressions above 25 - 4 = 21,	
ou see that 25 and 4 gives a difference of 21	
herefore, the two numbers are 25 and 4.	
ind two numbers whose sum is 11 and	d product is 24.
et's try to think of two pairs of numbers who	ose sum is 11.
ve have, 10 + 1 = 11, 9 + 2= 11, 8 + 3 = 11,	, 7 + 4 = 11, 6 + 5 = 11
low, pick out two pairs of numbers from abo	ve whose product is 24.
ooking at the expressions above $8 \times 3 = 24$,	
ou see that 8 and 3 gives a product of 24.	
so, the two numbers are 8 and 3.	