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Class:



Name:

-	Guess- and- check word problems
	Belinda made two different types of 5 cakes. Each red velvet cake gave 10 slices a
	each vanilla cake gave 5 slices. If she made a total of 40 slices, How many slices o
	each type of cake did she make?
	use guess- and- check to solve the problem
	Guess pairs of numbers that sum up to 5
	Guess 1: 4 red velvet cakes and 1 vanilla cake
	4 + 1 = 5 cakes
	Now, find the total number of slices of each type of cake.
	red velvet = 4 x 10 = 40 slices
	vanilla = 1 x 5 = 5 slices
	Therefore, total number of slices = 40 + 5 = 45 slices
	So the guess is not correct since it has added up to 45 slices instead of 40 slic
	Try another guess
	Guess 2: 3 red velvet cakes and 2 vanilla cakes
	3 + 2 = 5 cakes
	Now, find the total number of slices of each type of cake.
	red velvet = 3 x 10 = 30 slices
	vanilla = 2 x 5 = 10 slices
	Therefore, total number of slices = 30 + 10 = 40 slices.
	So the guess is correct. Belinda made 30 slices of red velvet cake and 20 slices
	vanilla cake
	Basil retails paints at a very good rate in various sizes of sealed buckets. Amongst
	these buckets, some hold 20 liters of paint, and some hold 25 liters of paint. Mr.
	James bought 6 buckets which holds a total of 130 litres. How many of each type
(	of bucket did he buy?
	guess: four 20 liters bucket + two 25 liters bucket = 4 + 2 = 6 buckets of paint
	Now, find the total number of liters of each type of bucket.
	20 liters bucket = 4 x 20 = 80 liters
	25 liters bucket = 2 x 25 = 50 liters
	therefore, the total number of liters = 130 liters
	So, the guess is correct.