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## mathskills4kids

	Name: Class:	
	Guess- and- check word problems	
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1.	Belinda made two different types of 5 cakes. Each red velvet cake gave 10 slices	and
	each vanilla cake gave 5 slices. If she made a total of 40 slices, How many slices	of
	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 slices	ces.
_	→ 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.	A CONTRACTOR
	red velvet = 3 x 10 = 30 slices	Pod
	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	s of
	vanilla cake	
2.	Basil retails paints at a very good rate in various sizes of sealed buckets. Amongs	) T
	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	2
	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.	44
	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.	3
	Mr. James bought four 20 liters and two 25 liters bucket of paint.	
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