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1 N	а			.	-

1.	Ashley has one more than twice as many puppies as Melissa. Let m stand for the number of puppies
	Melissa has. The function $a(m)$ represents the number of puppies Ashlev has.

Which of the following equations describes the relationship between m and a(m)? (circle one)

$$a(m) = \frac{1}{2}m + 1$$

$$a(m) = 1 + \frac{1}{2}m$$

$$a(\mathbf{m}) = 1\mathbf{m} + 2$$

$$a(m) = 2m+1$$

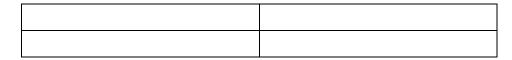
2. Asha is making bumper sticker to run for office. The total cost is a one-time fee of \$20 to have the stickers designed, plus \$0.50 per printed sticker. Write an equation that Asha can use to determine the total cost C(s), in dollars, to make s stickers.

C(s) = _____

- 3. A principal wants to take the entire school on a field trip. The school has enough vans to transport 20 students, and will have to rent buses to take the rest. Each of the buses can carry up to 40 students. If b represents the buses the principal orders, write a function s(b), which shows the number of students s that can be transported if the school orders b buses in addition to their vans.
 - a. What are the domain and range of s?

s:	\rightarrow	
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b. Can you write two examples using this function?



c. Write the function s(b), that represents the number of students that can be transported on vans and buses.

$$s(b) =$$

4.	Gabrielle and Damoni are frosting cakes for a bake sale. Gabrielle can frost a cupcake in half the time it takes Damoni. A function $g(d)$ represents the time it takes Gabrielle to frost a cupcake, compared to Damoni.								
	a. What are the domain and range of g?								
		g:		>					
	b. Can you write two examples using this function?								
	C.	Which of the	following equations describes	the relationship between d	and $g(d)$? (circle one)				
	g(d)	$=2 \times d$	$g(d) = 2 \div d$	g(d) = d - 2	$g(d) = d \div 2$				
5.		of the runner	oh faster than twice the speed. A function $t(h)$ represents the						
	a.	What are th	e domain and range of t?						
		t:		>					
	b. Can you write two examples using this function?								
	c.	Which of the	following equations describes	the relationship between d	and t? (circle one)				
	<i>t</i> (h)=	= 50 - 2h	t(h) = 50h + 2	t(h) = 2h - 50	t(h)=2h+50				
6.	The to	otal for a phor	ne bill, t(m), starts at \$19, plus	s an additional \$0.25 per r	ninute <i>m</i> of use.				
	a. Write the function $t(m)$, that represents the total bill given a certain number of minutes.								
	<i>t</i> (m) =								