





Note: Figure not drawn to scale.



Ν	AME			DATE			
1.	Eileen has 14 container.	$\frac{2}{3}$ cups of water	. She wants to	p put $1\frac{5}{6}$ cups interval	o each smaller		
	How many sm	aller containers	can she fill?				
I	(A) 9	B 8	(C) 7	(D) 6	(E) 5		
2.	Zane saw a re caramel and 2 for himself. H	ecipe on the inter 24 cups of choco ow many cups c	net for 6 peopl late ice cream. f ice cream do	e. The recipe con Zane would like t es he need?	tained 12 cups of to make this recipe		
	(A) 6	B 5	© 4	D 3	E 2		
3.	<i>Prize Man</i> is a caller \$75 less	a radio talk show s than four times	host. He anno their week's pa	ounced that he wo ay. Let <i>w</i> equal a	uld give the next caller's week's pay.		
	Which expres	sion can be used	to calculate th	e total prize for th	e next caller?		
	(A) $\frac{W}{4} - 75$	(b) $\frac{W}{4} + 75$	5				
I	B $\frac{w+75}{4}$	(b) 4w + 7	5 Ē	4 <i>w</i> – 75			
4.	Terrance has	a circular disk.	He wants to pa	int the disk.			
	What is the ar	ea of the disk, ir	square feet, ro	ounded to the near	rest hundredth?		
	6 feet						
	(A) 131.04	B 113.04	() 110.43	D 110.34	(E) 101.34		
5. Robert has a box whose volume is 400 cubic meters. The dimensions of the box are given below. What is <i>I</i> , the length of the box, in meters?							
5 meters							
	Note: Figure <u>not</u> drawn to scale.						
	(A) 27	B 26	() 25	(D) 16	(E) 15		



Ν	AME			DATE_			
1.	Jerry has 19 cu container.	ups of water. H	He wants to put 2	$2\frac{5}{7}$ cups into each	smaller		
	How many smaller containers can he fill?						
(A 9	B 8	© 7	(D) 6	E 5		
2.	 Pat saw a recipe on TV for 8 people. The recipe contained 16 cups of caramel and 40 cups of chocolate ice cream. Pat would like to make this recipe for herself. How many cups of ice cream does she need? 						
	(A) 6	B 5	(C) 4	D 3	(E) 2		
3.	<i>Prize Man</i> is a caller \$60 less	radio talk shov than one-fifth t	v host. He annou their week's pay.	nced that he woul Let <i>w</i> equal a call	d give the next ler's week's pay.		
	Which express	ion can be use	d to calculate the	total prize for the	next caller?		
	(A) $\frac{w}{5} - 60$	$\frac{w}{5} + 6$	60				
(B $\frac{W+60}{5}$	(D) 5w + 6	60 Ē 51	v – 60			
	0						
4.	Terrance has a	a circular disk.	He wants to pain	t the disk.			
4.	Terrance has a What is the are	a circular disk. ea of the disk, i	He wants to pain n square feet, rou	t the disk. Inded to the neare	est hundredth?		
4.	Terrance has a What is the are	a circular disk. ea of the disk, i	He wants to pain n square feet, rou	t the disk. Inded to the neare	est hundredth?		
4.	Terrance has a What is the are	a circular disk. ea of the disk, in (B) 135.86	He wants to pain n square feet, rou 7 feet 0 136.85	t the disk. Inded to the neare (153.86)	est hundredth?		
4.	Terrance has a What is the are 135.68 Robert has a b are given below	a circular disk. ea of the disk, in (B) 135.86 ox whose volu w. What is <i>I</i> , th	He wants to pain n square feet, rou 7 feet 0 136.85 me is 500 cubic management the length of the box	t the disk. Inded to the neare (153.86) It the dimer ox, in meters?	est hundredth? (E) 158.83 Insions of the box		
4.	Terrance has a What is the are 135.68 Robert has a b are given below	a circular disk. a of the disk, in (B) 135.86 ox whose volue w. What is <i>I</i> , th 5 meters	He wants to pain n square feet, rou (C) 136.85 me is 500 cubic me length of the bo	t the disk. Inded to the neare (153.86) The dimension (153.86) (15	E 158.83		
4.	Terrance has a What is the are 135.68 Robert has a b are given below	a circular disk. a of the disk, in (B) 135.86 ox whose volue w. What is <i>I</i> , th 5 meters	He wants to pain n square feet, rou () 136.85 me is 500 cubic me length of the bo	t the disk. anded to the neare 153.86 neters. The dimentian bx, in meters? 5 meters 5 meters 5 scale.	E 158.83		



NAME			DATE_				
1. The output , y , is related to the input , x , according to the following equation: $y = \frac{x}{3} + 2$.							
x (Inpu y (Outpu	t) 3 9 ut) 3 5	12 15 6 7	18 21 24 8 9 10	27 11			
What is the val	lue of y when x is	57?					
(A) 17	B 18	() 19	D 20	(E) 21			
2. There were 80 Vans made up	2. There were 800 cars on a car lot. Of that amount, $\frac{1}{8}$ were sedans. Vans made up 71.875% of the cars on the lot. The remaining cars were sports cars.						
How many spo	B 380	re? () 280	() 125	(E) 100			
 3. The floor plan of a house is shown by the figure. The floor is designed by joining two congruent squares with a semi-circle. 40 meters What is the total area of the floor, in square meters? Note: Figure not drawn to scale.							
(A) 3200.00 m ²	B 3208.08 m ²	() 3208.80 m	n² 🛈 3288.00 r	n² (E) 3828.00 m²			
4. Which of the n	umbers below is a	closest to the nu	mber 73.9%?				
(A) 0.7401	B $\frac{7}{8}$	() .741	(D) $\frac{5}{7}$	(E) 73.55%			
5. Doris was payi money for her decided to disp amount that sh graph. What w amount she pa six months, in	ng a lot of gas bill. She blay the ne paid into a line vas the <u>mean</u> aid for dollars?	102 100 98 96 94 90 90 90 90 90 90	Doris' Monthly	Det November December			
(A) 97.3	B 98.1	98.3	W 99.5	E 99.7			



NAME			DATE			
1. The output , y, is related to the input , x, according to the following equation: $y = \frac{x}{4} - 8$.						
x (Input y (Outpu	4 8 at) -7 -6	12 16 20 -5 -4 -5	24 28 3 -2 -1	32 0		
What is the val	ue of y when x is	60?				
(A) 7	B 8	© 9	() 10	(E) 11		
2. There were 800) cars on a car lot	t. Of that amount	$\frac{3}{5}$ were sedan	S.		
Vans made up	25.00% of the ca	rs on the lot. The	e remaining cars	were sports cars.		
How many spo	rts cars were ther	e?				
(A) 100	B 120	() 200	() 210	(E) 480		
 The floor plan of The floor is des with a semi-circ What is the total 	of a house is show signed by joining t cle. <u>al</u> area of the floor	wn by the figure. two congruent sq r, in square mete	uares 30 meters rs? Note: Figure	e <u>not</u> drawn to scale.		
(A) 2125.35 m ²	B 2135.25 m ²	() 2135.52 m ²	D 2153.25 m ²	² (E) 2155.32 m ²		
4. Which of the nu	umbers below is c	closest to the num	nber 62.05%?			
(A) 0.6251	B $\frac{5}{8}$	(C) .6305	$D_{\frac{2}{6}}$	(E) 62.45%		
5. Doris was paying money for her of decided to disp amount that shingraph. What we amount she partice six months, in o	ng a lot of gas bill. She lay the e paid into a line vas the <u>mean</u> id for dollars?	102 100 98 96 94 92 90 90 90 90 90 90	Doris' Monthly (99.7 96.9 August _{Septembel} Octobe	Bas Bill 96.9 96.9 94 94 94 94		



Ν	IA	Μ	Ε

DATE_____

1. The output	, y , is related to th	ne <i>input</i> , <i>x</i> , accor	ding to the follow	ing equation: $y = \frac{x}{6}$	$\frac{6}{5} + 4$
x (lr	nput) 6 1	2 18 24	30 36 42	48	
<i>y</i> (O	utput) 5	6 7 8	9 10 11	12	
What is the	value of y when y	cis 60?			
(A) 11	B 12	() 13	D 14	(E) 15	_
2. There were	700 cars on a ca	r lot. Of that amo	ount, $\frac{3}{5}$ were sed	ans.	
Vans made	up 25.00% of the	cars on the lot.	The remaining ca	rs were sports cars	6.
How many s	sports cars were t	here?			
(A) 420	B 275	() 205	() 175	(E) 105	
 3. The floor plating The floor is with a semi What is the 5985 12 	an of a house is s designed by joinin -circle. <u>total</u> area of the f m ² (B) 5981 25	hown by the figur ng two congruent loor, in square me m^2 (0) 5891 25	e. squares 50 meters eters? Note: Fig m ² ① 5819 52	$\frac{1}{10000000000000000000000000000000000$	le.
4. Which of the	e numbers below	is closest to the r	number 34.58%?		_
(A) 0.3658	₿ <u>7</u> 20	() .3460	(D) $\frac{3}{4}$	(E) 34.06%	
5. Doris was p money for h decided to o amount that graph. Wha amount she six months,	paying a lot of her gas bill. She display the t she paid into a li at was the <u>mean</u> paid for in dollars?	ne (\$) 98 96 94 92 90 33	Doris' Month 99 96.9 2 N August 5eptember	Iy Gas Bill 7 98.3 98.3 94 90.9 500 ⁸¹ November December	
(A) 99 7	B 95.3	(C) 93.5	D 92.0	(E) 90.9	
