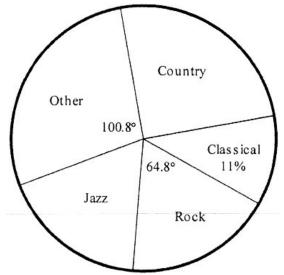
745. Betty and Betty paid \$12 food. How mu	2.25 for t	he cake	and \$10	0.28 for 1								
							\$					
		• • •	• • •	• • •	• • •	• •	• • •	• •		• • •	•	
746. On their values that is 80 have to walk a the rectangular Home	feet by round it,	60 feet, as show	as shov wn in th	vn in the e picture ess it?	picture	e on t	he left. N	Now the	ne law	n is fer	nced and t	hey
									feet	t		
747. I am thinl value of $\frac{6M}{2N}$? • • • • • • • • • • • • • • • • • • •	· · ·	tile tha	· · · t measur	· · ·	· ·	on each	side.	· · ·	 s 243 e	• ight-inch	
					_				tile	S		
749. All the di	fferent p	athways	s shown	spell ou	 ıt GRE	• • AT. I	· · · · How mar	· · · · · · · · · · · · · · · · · · ·	· · · ferent j	 pathwa	· ys are the	ere?
T	A	E	R	G F	/		A	Γ				
										patl	ıways	
750. In the seq	uence be	elow, fii	nd the n	· · · umber re	epresen	ited b	y N.	• •	• • •	• • •	•	
17	12	7	2	N	-8							

February 25, 2006, the high temperature was 46 degrees higher than it was on January 25. On March 25, 2006, the high temperature was 14 degrees higher than it was on February 25. What was the high temperature on March 25, 2006?
°F
752. Two cars are traveling toward each other on a straight road. Both cars are traveling at 45 miles per hour. About how far apart will they be 10 minutes after they pass each other?
A. 4.5 miles B. 7.5 miles C. 9 miles D. 15 miles Write the letter of the correct choice on the blank to the right.
753. Find the sum of the reciprocals of $\frac{10}{3}$ and $\frac{5}{6}$. Write your answer as a mixed number in simplest form.
754. Sheila weighs her new puppies in pairs since they resist being weighed individually. Shep and Jep together weigh 12 pounds. Shep and Pep together weigh 13.6 pounds. Jep and Pep together weigh 12.8 pounds. How much does Pep weigh?
pounds
755. Alex calculated the product of 2.5 and the sum of 3.7 and 4.8. What should be the result of Alex's calculation? Do not round your answer.
756. Write as a fraction in simplest form: $\frac{2^2 + 2^1}{2^3 + 2^4}$
757. Ellen DeGeneres was born in 1958. Bill Cosby is exactly 20 years older than DeGeneres. In what year will Cosby celebrate his 75th birthday?
758. Adult tickets for the school play sell for \$6 each and student tickets sell for \$4 each. Mike sold 18 tickets for a total of \$86. How many adult tickets did he sell?
adult tickets
759. MaryAnne bought a digital camera. The regular price of the camera was reduced by 15%, then 7% sales tax was added to this reduced price. MaryAnne paid \$127.33 for the camera. What was the regular price of the camera without the sales tax?

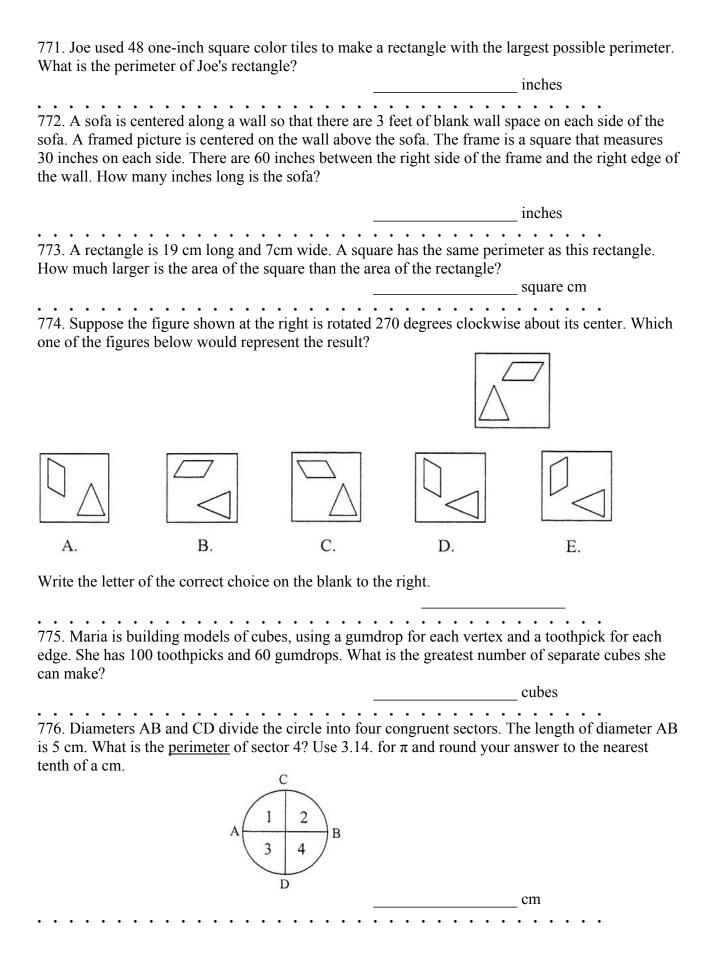
751. Johnny lives in Fairbanks, Alaska. On January 25, 2006, the high temperature was -34°F. On

• • • •			• • • • • •	• • • • • •	• • •
stopped for a		x, then spent 25 m	ninutes sweeping	the garage, after	ne garden. She which she stopped adith start mowing
				a.m.	
The chart be months of 19	low shows the nu	mber of each type	e of coin minted		the first four
Month	Pennies	Nickels	Dimes	Quarters	Half-Dollars
Jan.	753,200	71,280	152,500	102,200	3,400
Feb.	685,200	84,960	158,500	116,600	7,500
Mar.	938,600	108,720	190,500	129,400	13,500
Apr.	876,000	98,880	165,500	132,600	6,200
combined? 762. Find th 763. The avo	• • • • • • • • e average value (i	n dollars) of the o	dimes minted per	penni month.	of the other coins es
randomly dr	ins marbles of difawing one of the	red marbles from	the bag is $\frac{2}{3}$.	nicke nrbles are red. The	
764 How m	any marbles are i	n the hao?			
				marb)	les
765. The pro	bability of rando	mly drawing one	of the blue marb	les from the bag i	$\frac{1}{6}$. How many
blue marbles	s are in the bag?			blue 1	narbles

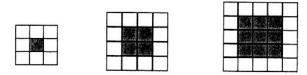
The circle graph below shows partial information on the results of a survey to determine students' top choice of different types of music.



Use the information in the graph to answer questions 766 - 768.	
766. What percent of the total number of students indicated that rock music was t percentage.	-
767. Find the measure of the central angle of the sector labeled Classical. Do not answer.	round your
degre	es
768. According to the survey, 56 students indicated their top choice of music as C students participated in the survey?	• • • Other. How many
studerstuder	nts
769. A stop sign is shaped like a regular octagon. All of the obtuse angles have the Find the measure of one of the eight obtuse angles.	
degre	es
770.	• • •
Suppose that \sqrt{N} means $4N + 5$ and \sqrt{N} means $3N - 1$.	
For example, $\sqrt{3} = 4(3) + 5 = 17$ and $\sqrt{3} = 3(3) - 1 = 8$.	
What is the value of $9 + 8$?	



785. In a series of square figures, the lengths of the sides of each figure increase by one unit each time and all of the inner squares are shaded. The first three figures in the series are shown below.



What percent of the sixth figure will be shaded? Round your answer to the nearest percent.

786. It costs the U.S. Mint 1.2 cents to mint (make) a penny. It cost approximately \$92.4 million to mint pennies in 2005. Approximately how many pennies were minted in 2005?

A. 7.7 billion B. 11.9 billion c. 110.9 million D. 77 million Write the letter of the correct choice on the blank to the right.

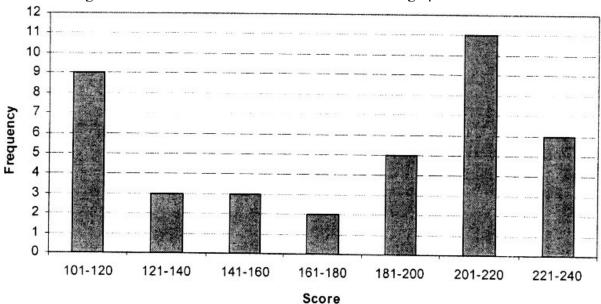
787. During her basketball game, Jenny scored $\frac{1}{2}$ of her team's points. Sarah scored $\frac{1}{3}$ of the

remaining points, and Gina $\frac{1}{4}$ of the points remaining after that. Jervaise was the only other player to score, and she made 6 points. How many points did Sarah score?

______ points

788. If you could spend exactly one hundred dollars per day starting on Monday, on which day of the week would you spend the millionth dollar?

Dev's bowling scores for an entire season are shown on the bar graph below.



For example: There are 9 scores in the interval 101-120.

Use the inform	nation in the grap	h to answer quest	ions 789 - 79	<u> 1.</u>	
789. How man	y games did Dev	bowl during the	entire season		
				gam	es
790. In which	interval of scores	can the median s	score be locat	ted?	
791. Which int	terval of scores re	epresents the mod	le? Write you	r answer as an inte	erval.
points. After h	e had taken his s	* '	s average sco	re on the math quizore on all the math	quizzes was 37
The chart belo	w shows informa	tion about the fiv	e largest lake	es in North Americ	
	Lake	Area (in square miles)	Length (in miles)	Maximum Depth (in feet)	
	Superior	31,700	350	1,330	
	Huron	23,000	206	750	
	Michigan	22,300	307		
	Great Bear	12,100	192	1,462	
	Great Slave	11,000	298	2,015	
Use the inform	nation in the char	t to answer questi	ons 793-795	below.	
793. Which lal	ke has a length th	at is closest to the	e mean length	n of the five lakes?	
	-	e of the average w		e, the area of each late largest?	lake is divided by
795. The mean Michigan.	maximum depth	of the five lakes	is 1,296 feet	. Find the maximum	_
				feet.	
C 1	cent of the circle	the areas of the graph does Lake		resent? Round you	r answer to the
				perc	ent
		ntral angle of the est hundredth of a		_	t of the five lakes.
				degr	

probability of randomly selecting a red ball from the box is $\frac{5}{12}$. There are 21 balls in the box that
are not red. How many balls of all colors are in the box?
balls
799. Herman put on a blindfold and threw four darts at the strange target shown below. His score was obtained by adding the numbers in the regions in which the darts landed. At least three of the four darts hit the target. None of the darts landed exactly on a boundary line.
10 8 5
Which one of the scores below could <u>not</u> be Herman's score? A. 29 B. 26 C. 23 D. 22 E. 18
800. A twenty-task challenge course is scored as follows: Three points are awarded for each task that is completed. Two points are subtracted for each task that is attempted but not completed. Zero points are awarded for each task that is not attempted. Emma scored 47 points. How many of the twenty tasks did she complete?
tasks
801. The mean of nine quiz scores is 20. All but two of the scores are shown below.
14 14 16 19 21 22 24 The two missing scores have a difference of 8. What is the median of all nine quiz scores?
802. Katie and Zane each roll a fair die once. What is the probability that Katie's die shows a number larger than Zane's die? Write your answer as a fraction in simplest form.

803. Seimone has a rectangular garden that measures 35 feet by 4 feet. She div congruent rectangular sections, with a 1-foot path between sections. The first s shown below. What is the area of one of the six sections?	_
sq:	uare feet
804. Two decimals have a sum of 6.98 and a difference of 2.36. What is the la	rger number?
805. The first six numbers in an arithmetic pattern are shown below.	• • • •
3 10 17 24 31 38 What will be the 40th number in the pattern?	
806. Find the sum of 40% of $\frac{1}{2}$ and 20% of $\frac{3}{8}$. Write your answer as a fraction in simplest form.	· · · ·