1.	it didn't sell. The store discounted price. Barbar	d 20% from its original price because took an additional 30% off the a purchased the computer for \$896. If dollars in the original price of the	1.	
2.	second partner invests to	00 dollars to start a store. The vice as much as the first, and the as much as the second. How many artner invest?	2.	
3.	were cast, and the numb candidates was a prime n	or student council. Twenty-five votes per of votes cast for each of the number. In how many different ways a distributed among the candidates?	3.	
4.	n times. What letter will	letter of the alphabet is written be in the 160th position?	4.	
5.	Two vertical poles are 24 feet apart. One is 16 feet tall, and the other is 9 feet tall. A rope extends from the top of one pole to the point midway between them on the ground, and then to the top of the other pole. How many feet are in the length of the rope?		5.	<u></u>
6.	A flight cabin screen reported altitudes and corresponding temperatures as shown below. A passenger conjectured that there was a decrease of $1^{\circ}F$ for each increase of 250 feet in altitude, and he used that conjecture to predict the temperature at $31,000$ feet. If the actual temperature at $31,000$ feet was $-47^{\circ}F$, what was the number of degrees in the positive difference between the passenger's conjectured temperature and the actual temperature?			
	Altitude	Outside Temperature		
	21,000 feet	-11°F		
	21,500 feet	$-13^{\circ}\mathrm{F}$		
	25,500 feet	$-29^{\circ}\mathrm{F}$		

7.	For how many different points (u, v) are the points (u, v) , $(3,6)$, $(5,2)$ and $(0,0)$ the vertices of a parallelogram?	7.
8.	Jenny's student ID number consists of ten digits. Based on the clues below, what is Jenny's student ID number?	8.
	• Each digit is different.	
	• The product of the sixth and seventh digits is equal to the third digit.	
	• The fourth, eighth, and tenth digits are multiples of 3.	
	• The sum of the fourth and sixth digits is the same as the sum of the fifth and eighth digits.	
	• The second, third, sixth and seventh digits are powers of 2.	
	• The first, fifth, seventh and tenth digits are prime.	
9.	A cube of volume $27\mathrm{in^3}$ has square holes $1''\times 1''$ drilled through the center of each face and passing through the center of the cube. What is the number of cubic inches in the volume of the figure that remains?	9.
10	A hemispherical bowl with diameter 40 centimeters is completely full of punch. Caroline fills cylindrical glasses of height 10 cm and diameter 10 cm from the bowl. How many glasses can she completely fill?	10.