

1. Two bran muffins and a glass of milk cost \$1.40.  
One bran muffin and a glass of milk cost \$.95.  
What is the cost of a glass of milk?

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School Name

Answer

2. Julius Caesar wrote the Roman Numerals I, II, III, IV, and V in a certain order from left to right. He wrote I before III but after IV. He wrote II after IV but before I. He wrote V after II but before III. If V is not the third numeral, in what order did Caesar write the five numerals?

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School Name

Answer

3. Bob worked twice as long as Jan. Jan worked  $\frac{1}{2}$  hour more than Kim. Kim worked 2 hours less than Pedro. Pedro worked 3 hours. How many hours did Bob work?

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School Name

Answer

4. A woman spent two-thirds of her money. She lost two-thirds of the remainder and then had \$4 left. With how much money did she start?

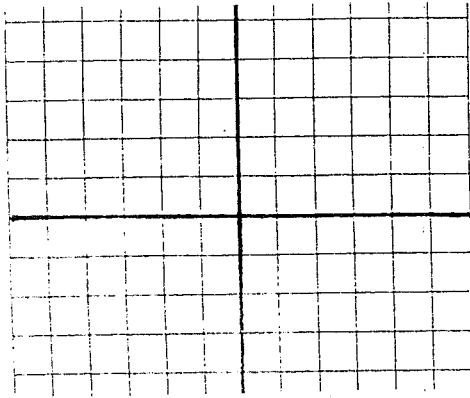
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School Name

Answer

5. What is the area of the rectangle formed by connecting these points on a graph?

$(-5,4)$        $(2,4)$        $(2,-3)$        $(-5,-3)$



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School Name

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Answer

6. In a math contest of 10 problems, 5 points were given for each correct answer and 2 points were deducted for each incorrect answer. If Nancy did all 10 problems and scored 29 points, how many correct answers did she have?

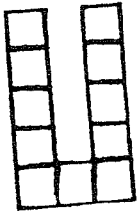
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School Name

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Answer

7. The U-shaped figure contains 11 squares of the same size. The area of the U-shaped figure is 176 square inches. How many inches are there in the perimeter of the U-shaped figure?



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School Name

Answer

8. On what day did the temperature change the most from 9 a.m. to 2 p.m.?

Day	Time	
	9 A.M.	2 P.M.
Monday	5°c	20°c
Tuesday	-3°	13°
Wednesday	0°	10°
Thursday	-2°	15°
Friday	4°	15°

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School Name

Answer

9. Which three numbers would you choose to get an average of 35? 38, 38, 26, 29, 41

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School Name

Answer

10. A dollar was changed into 16 coins consisting of just nickels and dimes. How many coins of each kind were there?

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School Name

Answer

11. A plumber cut a 20-foot pipe into 2 pieces. One of the pieces was four times longer than the other piece. What are the lengths of the 2 pieces of pipe?

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School Name

Answer

12. There are 32 students in your math class. Of these students, 21 made the honor roll and 13 earned A's in math. If 5 students earned both, how many students did not earn either A's in math or honor roll?

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School Name

Answer

13. A total of fifteen pennies are put into four piles so that each pile has a different number of pennies. What is the smallest number of pennies in the largest pile?

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School Name

Answer

14. I have a drawer than contains 40 socks in the following numbers and colors: 12 tan, 9 brown, 11 gray, and 8 blue. Suppose I am blindfolded. What is the fewest number of socks I must pick from the drawer to be absolutely certain that I have two socks of the same color among those I have picked?

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School Name

Answer

15. A clothing store stocked 220 shirts. During June it sold 40% of the shirts. In July it sold 25% of the remaining shirts. How many shirts were left at the end of July?

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School Name

Answer

16. Jack Dempsey fought only 138 minutes as a world champion. During that time he earned \$2,137,000. How much did he earn per minute?

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School Name

Answer

# Ciphering answers

1. .50

2. IV II I V III

3. 4

4. 36

5. 49

6. 7

7. 96

8. Thursday

9. 38, 38, 29

10. 12 nickels, 4 dimes

11. 4 + 16

12. 3

13. 6

14. 5

15. 99

16. 15485.51