MATH MADNESS # 25

1. Here are the clues to Ben's number.

   * His number is a factor of 45.
   * His number is a composite number.

   What is Ben's number?

   a. 4
   b. 5
   c. 9
   d. 10

2. The chart below shows the results of a 100-yard dash. Which runner came in *third* place?

   a. Antonio
   b. Buddy
   c. Cameron
   d. Derrick

Runner	Time (in seconds)
Antonio	14.893
Buddy	14.950
Cameron	14.099
Derrick	14.905

3. Six friends went out for dinner and spent a total of $67.74. If they split the bill evenly, how much did each person pay?

   a. $1.19
   b. $1.29
   c. $11.19
   d. $11.29

4. Faye is solving the expression $5 \times 8 - 4 \div 1$.

   Step 1 5×8
   Step 2 **???**

   Which operation should Faye complete second to find the value of the expression?

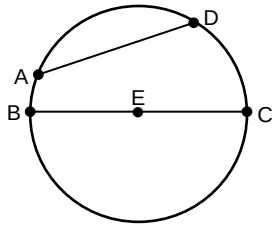
   a. $4 \div 1$
   b. $5 - 4$
   c. $8 \div 1$
   d. $8 - 4$

5. Mac is buying carpet for his bedroom. He measured the length and width of the floor in order to buy the right amount of carpet. What is Mac measuring?

   a. perimeter
   b. area
   c. volume
   d. circumference

6. Point *E* is the center of this circle. Which of the following names the diameter?

   a. $\overline{AD}$
   b. $\overline{CE}$
   c. $\overline{BC}$
   d. $\overline{EB}$



7. Rudy is wrapping a present. The chart shows his choices of ribbon. Which shows all the combinations of one type of fabric and one color?

Ribbon Choices	
Fabric	**Color**
Lace Satin	Red Blue Yellow

a. lace, red
satin, red
lace, blue
satin, blue
lace, yellow

b. satin, red
satin, blue
satin, yellow

c. lace, red
lace, blue
lace, yellow
satin, red
satin, blue
satin, yellow

d. lace, red
satin, red

8. Which rule describes the pattern shown in the table?

   a. $Y \div 2 = X$
   b. $X - 3 = Y$
   c. $X \div 2 = Y$
   d. $Y \times 3 = X$

X	*Y*
6	3
18	9
22	11
30	15

9 & 10 (2 points) Short Answer / Extended Response

This chart shows the number of pennies Joe put in his bank every day.
If the pattern continues, how many pennies will Joe put in his bank on Sunday?
How much money will Joe have saved in all?

Day	Pennies
Monday	1
Tuesday	2
Wednesday	4
Thursday	8
Friday	**16**
Saturday	**32**
Sunday	**64**

Joe will put **64** pennies in the bank on Sunday.

Joe will have saved **$1.27** in all.