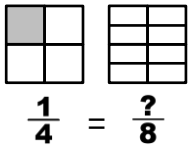
Math Madness #1

1. What number is needed to name the equivalent fraction?

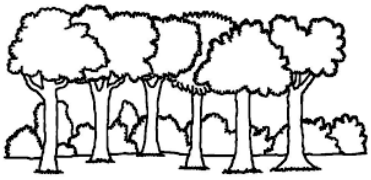


$\frac{1}{4} = \frac{?}{8}$

a. 1
b. 2
c. 4
d. 6

2. Last year 4,237,880 people visited Yosemite National Park in California. What is the value of the 3 in 4,237,880?

a. 30
b. 3,000
c. 30,000
d. 300,000



3. Mr. Williams put a fence around his backyard. He started with one fence post in a corner and then placed another fence post every 6 feet. Which of the following does ***not*** show a spot where Mr. Williams would have placed a fence post?

a. 6 feet
b. 12 feet
c. 16 feet
d. 18 feet

4. A pilot flew 15,847 miles last year and 24,418 miles this year. How many miles is this altogether?

a. 39,255
b. 39,265
c. 40,255
d. 40,265

5. Which of the following holds *about* 1 milliliter of water?

a. medicine dropper 

b. drinking glass 

c. sink full of water 

d. baby pool 

6. What term is used to describe the flat surface of a solid figure?

a. edge
b. vertex
c. face
d. corner

7. Dion made this pictograph to show the number of stars he saw last weekend. If Dion saw 12 stars on Friday night and 16 stars on Saturday night, which of the following is Dion's key?

a. Key: ☆ = 3 stars
b. Key: ☆ = 4 stars
c. Key: ☆ = 6 stars
d. Key: ☆ = 8 stars

Stars in the Sky	
Friday	☆☆☆
Saturday	☆☆☆☆

8. These numbers form a pattern.

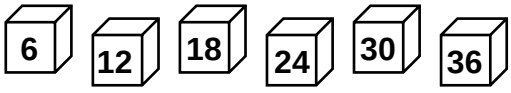
1,093 1,095 1,097 1,099 ____, ____, ____

If the pattern continues, what will be the next 3 numbers?

a. 1,001 1,003 1,005
b. 1,101 1,103 1,105
c. 2,001 2,003 2,005
d. 2,101 2,103 2,105

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

Jack used blocks to create the pattern shown below. What is the rule for Jack's pattern? If the pattern continues, will the number 64 be in Jack's pattern? Explain why or why not.



Rule: **add 6**

The number 64 **will not** be in Jack's pattern because **64 is not a multiple of 6**

(will or will not)