

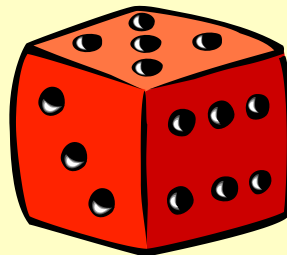
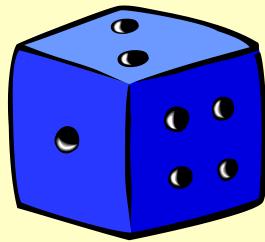
Welcome to math class. Math is fun! Welcome to math class. Math

Using a clock, complete this pattern of times:

_____p.m., 1:37 a.m., 11:05 a.m., 8:33 p.m.

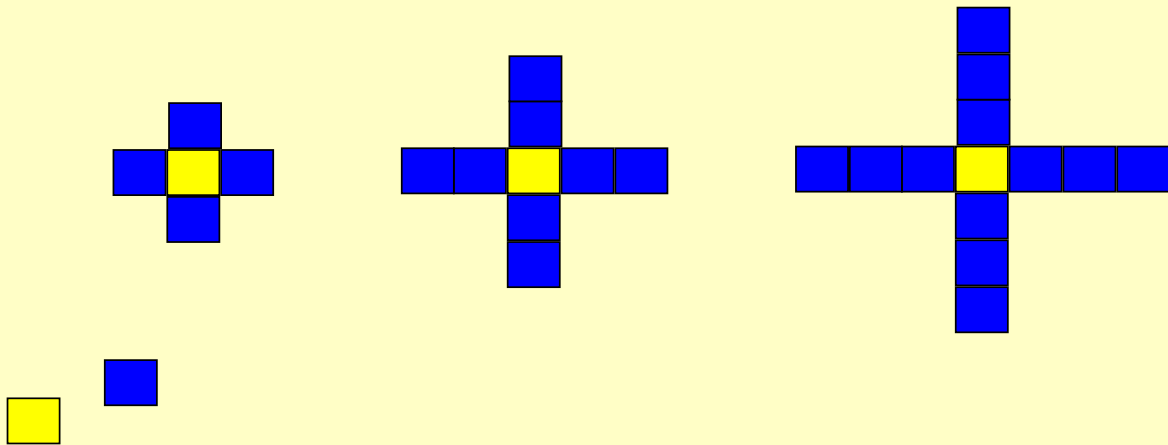
What's the next three letters in this sequence?

c, a, f, b, i, c, l, d, o, e, _____, _____, _____



Number Patterns

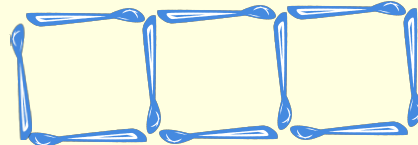
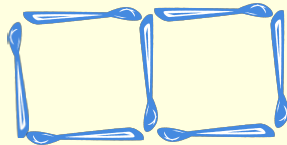
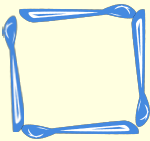
Complete the next two patterns in the diagram below



What would the 10th and 50th figures look like?



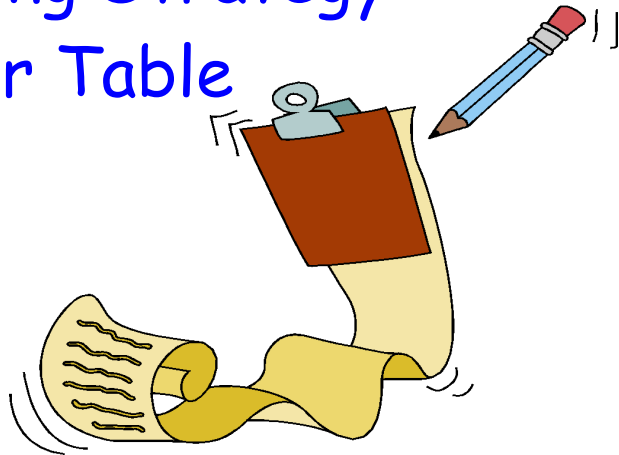
Complete the next two patterns



How many spoons would the 15th figure have?

How many would the 100th figure have?

Problem Solving Strategy:
Make a List or Table



Make an Organized List

Making a list or a table is a systematic method of organizing information **in rows and/or columns**. By putting given information in an organized format, you can clearly analyze this information and then solve the problem by completing the list.

Example 1

Doug has 2 pairs of pants: a black pair and a green pair. He has 4 shirts: a white shirt, a red shirt, a grey shirt, and a striped shirt. How many different outfits can he put together?

Understanding the Problem

- · How many pairs of pants does Doug have? (2)

Black Pants Green Pants

- How many shirts does Doug have? (4)

White Shirt Red Shirt Grey Shirt

Planning a Solution

- Suppose Doug wears his black pants. What color shirt can he wear?

Move to reveal answer.

- If Doug wears his striped shirt, how many different outfits can he wear?

Move to reveal answer .

- · If Doug wears the green pants, can he wear all 4 shirts?

Move

Solve: Make an Organized List

Drag the possible combinations to the chart.

Black Pants	White Shirt	Tan Shirt
Green Pants	Red Shirt	Grey Shirt

Pants	Shirt

Click the square to reveal the answer.

Doug can make
8 different
outfits.

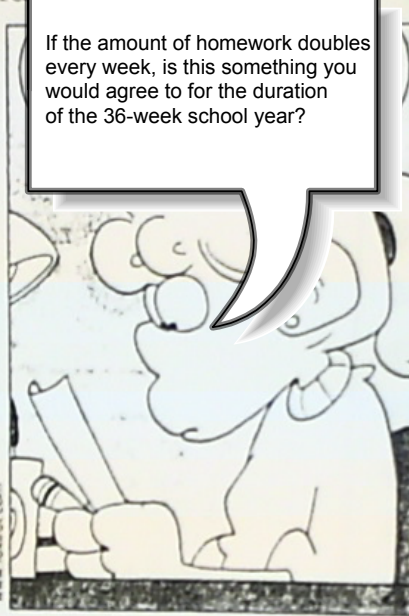
Problem Extension

FOXTROT / by Bill Amend

A math teacher offers to assign one second of homework the first week of school, 2 seconds the second week, 4 seconds the third and so on.



If the amount of homework doubles every week, is this something you would agree to for the duration of the 36-week school year?



I'm a little worried about answering this one wrong.



It's that Mrs. Gebel -she's evil

Would you take this offer from me?? Explain why!

Solve a Simpler Problem

