

SUNSHINE MATH - 7
Neptune, IV

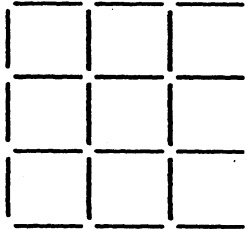
Name: _____

(This shows my own thinking.)

- ★ 1. Sam has to be at work at 6 P.M. He leaves his house at 4:10 P.M. and it takes him 20 minutes to drive to the library. It takes him 25 minutes to drive from the library to work. How much time can he spend at the library?

Answer: _____

- ★★ 2. Remove 8 toothpicks and leave 2 squares. Show the ones to remove by making an X through them.



- ★★★ 3. Stamps come in large sheets with perforations in between. How many different ways can you buy 4 attached square stamps? (Two ways to put them together are considered *the same* if one way can be turned or flipped so that its outline looks like the other way.)

Answer: _____ ways

- ★★★ 4. A video arcade offers 6 free games to first time customers. Each game costs \$.75 with a free game for every four you buy. How many games could you play for \$3.00 the first time you are a customer?

Answer:: _____ games

- ★★ 5. Apples sell for \$1.29 a pound, and there is an average of 3 apples per pound. About how many apples would you expect to get for \$5.00?

Answer: _____ 🍏s

- ★★ 6. A number x is increased by 27 and the result is multiplied by 6, giving 372 as the result.

What was the original number x ? _____

- ★★★★ 7. A gymnast received the following scores from 5 judges in the state competition:

floor:	8.8, 9.3, 8.1, 8.9, 9.5
bars:	7.6, 8.2, 8.5, 8.2, 8.9
vault:	9.5, 8.9, 9.4, 9.5, 9.0
beam:	8.4, 8.5, 8.4, 7.9, 8.7

Her score for each event is found by computing the average *after* the high and low score is thrown out and rounding to the nearest hundredth.

- ✓ What was her score on each event?

floor: _____ bars: _____ vault: _____ beam: _____

- ✓ What was her worst event? _____

- ✓ What was her best event? _____

- ✓ What was her total score for the day, all 4 events combined? _____

- ★★★ 8. How many 22 centimeter pieces of string can be cut from a 4.2 meter piece of string? How many centimeters are left over?

Answer : _____ pieces with _____ cm left over.

- ★★★★ 9. Some buildings are shown below. If the builder continues this same pattern:

How tall will the tower be in Building 100? _____ blocks high

How long will each of the two wings be in Building 500? _____ blocks long

How many blocks will it take to make Building 1000? _____ blocks

How many blocks will it take to make Building n , where n can be any whole number? _____

