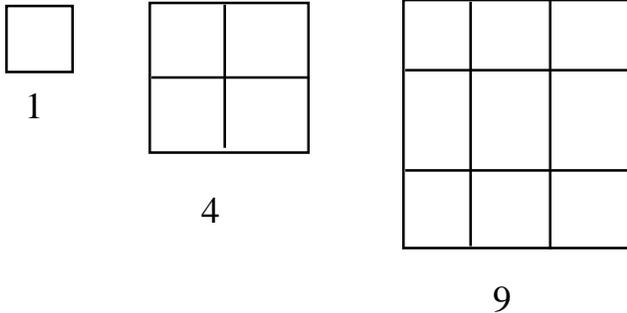
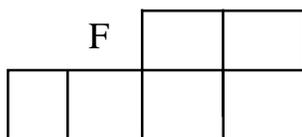
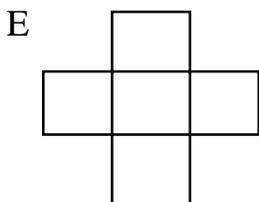
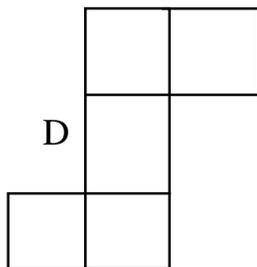
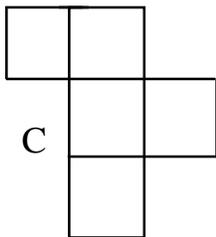
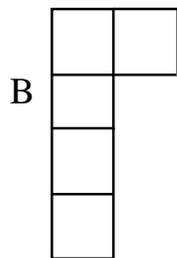
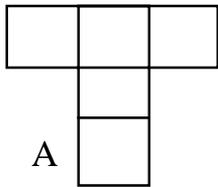


★★★ 1. Latesha is building with tiles. Her design has a pattern like this:



What will her next design look like? How many tiles will she use?

★★ 2. Circle the symmetrical figures:



★★★★ 3. Flopsy and Mopsy are rabbits. Mopsy eats more than Flopsy. When Flopsy eats one bowl of food, Mopsy eats three bowls of food and when Flopsy eats two bowls of food, Mopsy eats six bowls of food. If Flopsy eats five bowls of food, how much will Mopsy eat?

★★★ 4. Use the digits 2, 4, 6, 7 to make this a true statement:

$$\begin{array}{r}
 \square \quad \square \\
 + \square \quad \square \\
 \hline
 1 \quad 0 \quad 0
 \end{array}$$

Strategy of the Month

*Being a problem solver is something like being a detective! A detective has to solve crimes by guessing what happened and checking the guess to see if it fits the situation. For some problems, your best strategy may be to make a guess and then check to see if your answer fits the problem. If not, decide if your guess was too high or too low and then make a second "guesstimate." A good detective keeps records (usually some kind of chart) to help see any patterns and to narrow down the possibilities. You should do this too. The results of incorrect guesses can give you valuable clues to the correct solution. **Guess and then check** the solution to this problem:*

Billy has 42 marbles to put in boxes. Each box will hold five marbles. How many boxes will he need?

MathStars Home Hints

Memorizing number facts will save you time. Flash cards are one way to learn new facts, but you also might try these ideas:

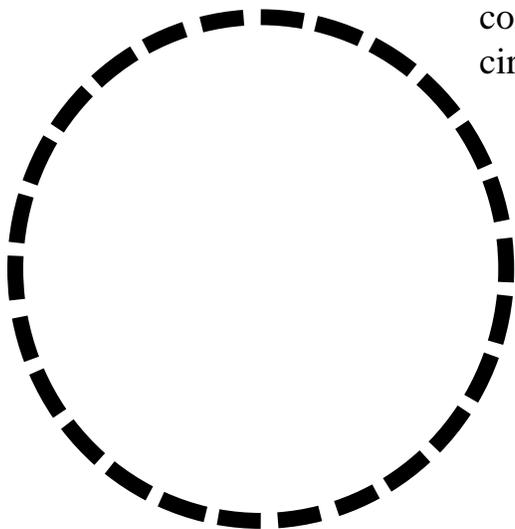
- play dice or card games in which you need to add, subtract, multiply, or divide.
- learn new facts using ones you already know ($7+7=14$ so $7+8=15$).
- learn facts that are related to each other ($7+6=13$, $6+7=13$, $13-6=7$, $13-7=6$).
- make a list of the facts you need to memorize and learn 5 new facts each week.
- Spend 5-10 minutes every day practicing facts.

★★★★ 5. Luke made flowerpots for his friends. He has 32 flowers. If he puts six flowers in each pot how many pots will he make?

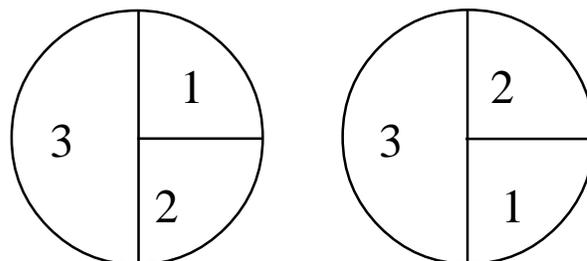
★★★ 6. Alyssa's class graphed their favorite colors. This is what they like:

Color	Number
Red	5
Blue	7
Green	6
Orange	3
Yellow	5

Help them complete the circle graph.



★★★ 7. Carlos has spinners like these:



If he spins each one and adds the results, what sums do you think he will get?

★★★★ 8. Farmer Jones has an orchard that will hold 12 trees. He will plant the same number of apple trees and pear trees. He will plant twice as many cherry trees as apple trees. How many of each will he plant?

_____ Apple trees

_____ Pear trees

_____ Cherry trees

Setting Personal Goals

Communicating mathematically means that you are able to share your ideas and understandings with others orally and in writing. Because there is a strong link between language and the way we understand ideas, you should take part in discussions, ask questions when you do not understand, and think about how you would explain to someone else the steps you use in solving problems.