

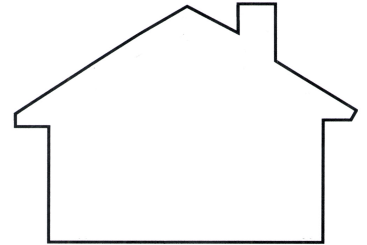


December/January's Problems

December - January

K-2

Set a timer for 15 minutes. Search through your house for as many things shaped like triangles, rectangles, squares, and circles as you can find. Tally how many of each shape you do find. Which shape did you discover the most? Which shape did you discover the least? Think of a good way to share the information you found and create a display.



3-5



William made a number puzzle:

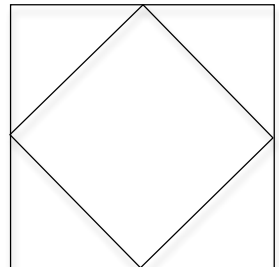
First I triple my number. Then I add 5. After that, I divide the sum in half. Finally, I subtract 13 to get a difference of 0. What is my number?

Can you solve his puzzle? How did you do it?
Now create a 4-step puzzle for William to solve.

*- problem solving tips: use logical reasoning
work backwards*

6-8

Rachel inscribed a square inside a larger square so that its 4 corners touched the midpoints of the 4 sides of the large square. She knows that the sides of the inscribed square are 5 cm long. What is the area of the large square?



*- problem solving tips: use a picture or diagram
use logical reasoning*



Don't forget to use the checklist on the other side to make sure that your solution is complete.