

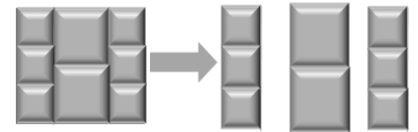
Junior Circle 1, Problem Set 11

1. Ricky has as many brothers as sisters. His sister Mali has twice as many brothers as sisters. How many boys and how many girls are there in Ricky's and Mali's family? (Hint: draw a diagram. Start with Ricky and Mali, then add more siblings to the diagram.)

2. Mr. PetLover has 30 pets: cats and parrots. Once, he decided to count his pets' legs and found that the number of legs belonging to cats is the same as the number of parrots' legs. How many cats and how many parrots does Mr. Petlover have?



3. Andrew has a tasty chocolate bar which is shown on the picture. There are two big squares in the center, and three smaller squares on each side. The side length of each big central square is 3 centimeters.



- What is the side length of a smaller square?
- What is the perimeter of the whole bar?
- Andrew broke the chocolate bar into 3 pieces: a big central piece that is made of two big squares, and two identical side pieces. He ate the central piece himself, and gave two side pieces to Shaan. Who ate more chocolate: Andrew or Shaan?

4. Superhero did 25 more good deeds than Spiderman. Spiderman did 6 times fewer good deeds than Superhero. How many good deeds did each hero do?



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5. How many cans of dark paint would you need to paint each of these rooms? (One can contains enough paints for painting one small square.)

