

# Answer Key

1<sup>st</sup>

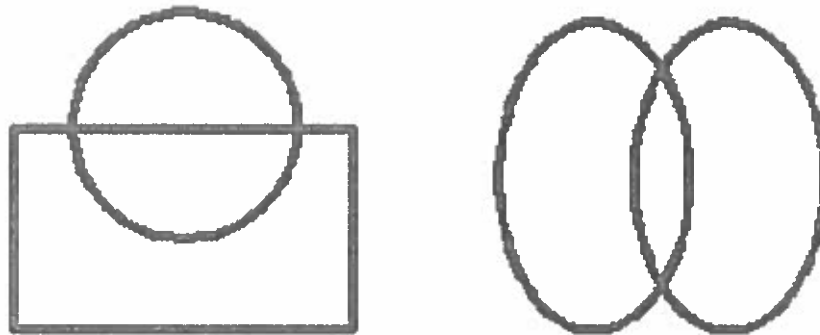
1) Mary lives in an apartment building. There are 3 levels above her and 2 levels below her. How many levels are there in the building?



Answer

$$3 + 1 + 2 = 6 \text{ levels}$$

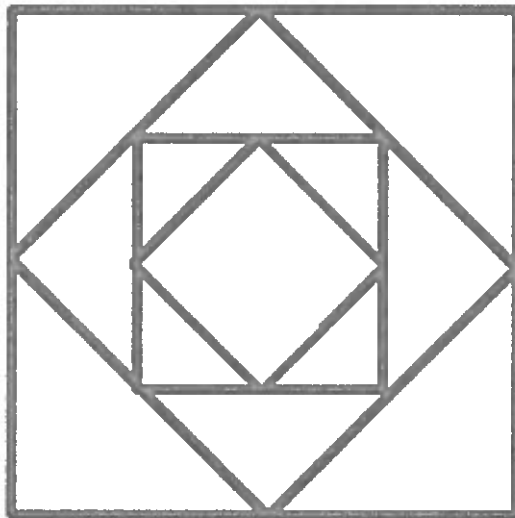
2) Draw the following shapes in one stroke without lifting the pencil and without retracing the same line.



Answer

Start from any of the 2 intersections and you can do it.

3) How many squares and triangles are there in the following drawing?



Answers

4 squares, 12 triangles

4) Find 3 different ways to fill in the blanks. Do not use zeros.

$$6 = \_ + \_ + \_$$

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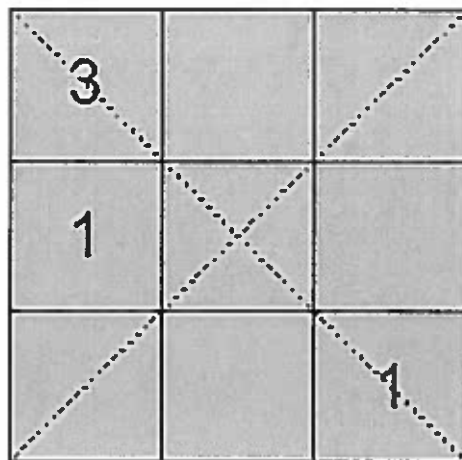
## Answers

$$6 = 1 + 1 + 4$$

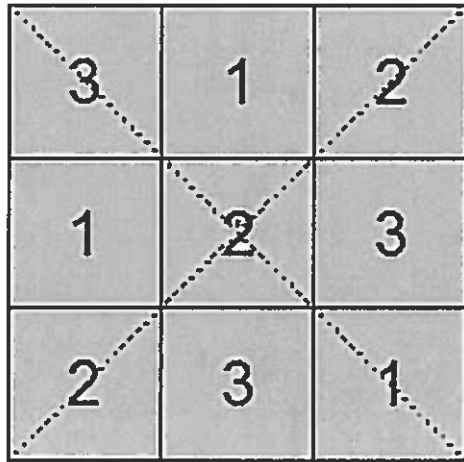
$$6 = 1 + 2 + 3$$

$$6 = 2 + 2 + 2$$

5) Fill the 9 squares with numbers 1, 2, and 3 so that the sum of 3 numbers in all rows, columns and diagonals are the same.



Answer



6) How many rectangles do you see?



Answer

9

7) Fill in the blanks

$$10 - \underline{\quad} = 5$$

$$12 - \underline{\quad} = 7$$

$$16 - \underline{\quad} = 9$$

$$\underline{\quad} - 7 = 11$$

$$\underline{\quad} - 5 = 17$$

## Answers

$$10 - 5 = 5$$

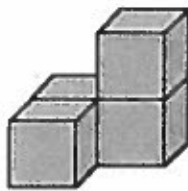
$$12 - 5 = 7$$

$$16 - 7 = 9$$

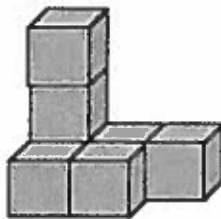
$$18 - 7 = 11$$

$$22 - 5 = 17$$

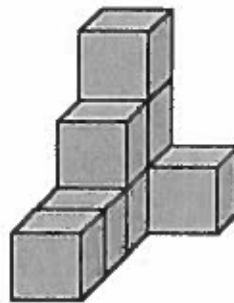
8) How many blocks are there in each stack?



a



b

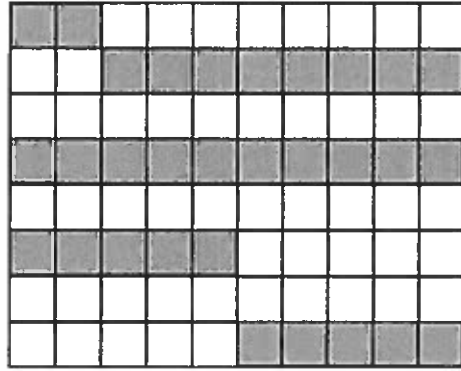


c

## Answers

a) 4, b) 7, c) 8

9) How many red squares are there? Can you find a fast way to count and add them?



Answer

$$10 + 10 + 10 = 30$$