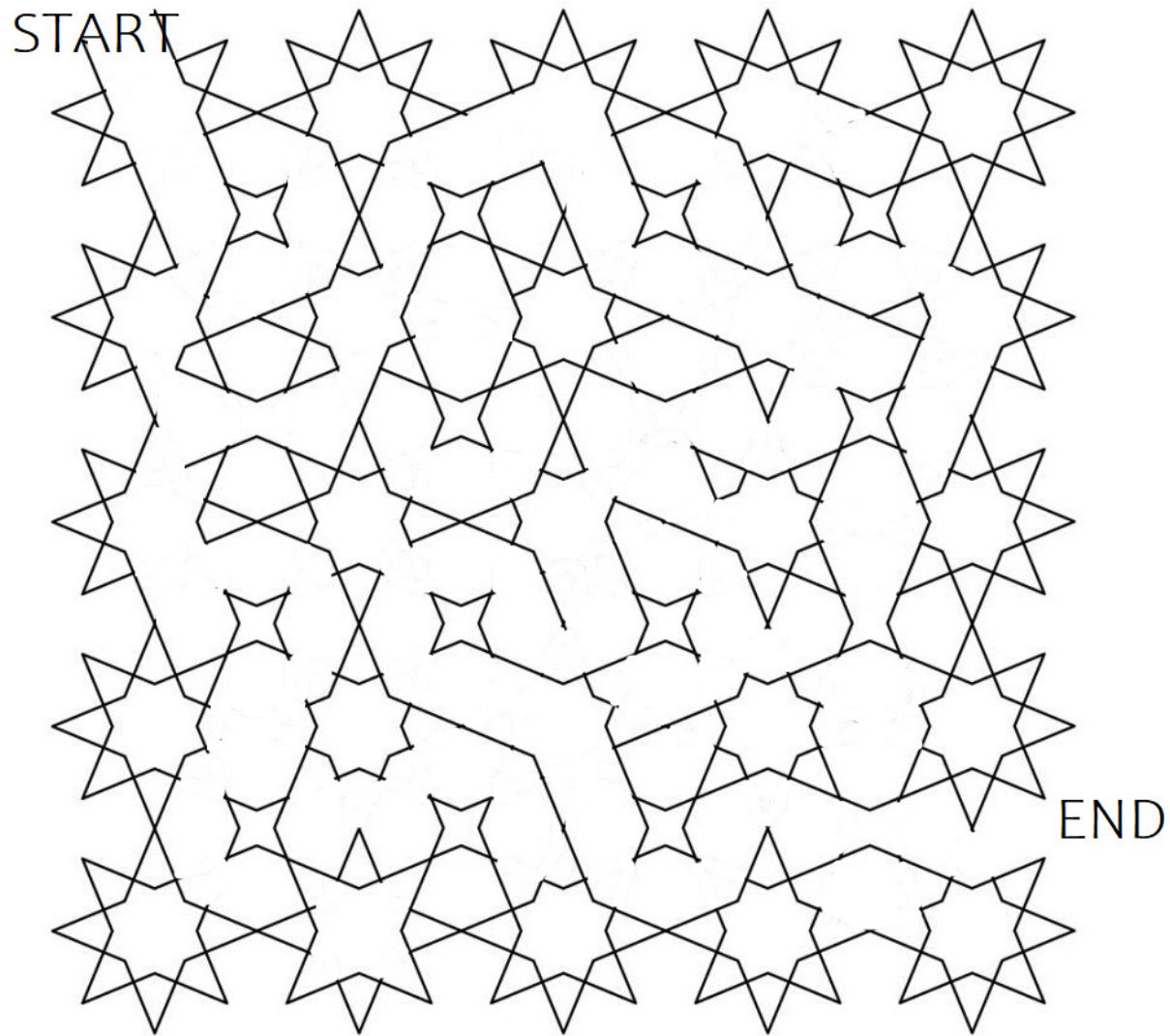
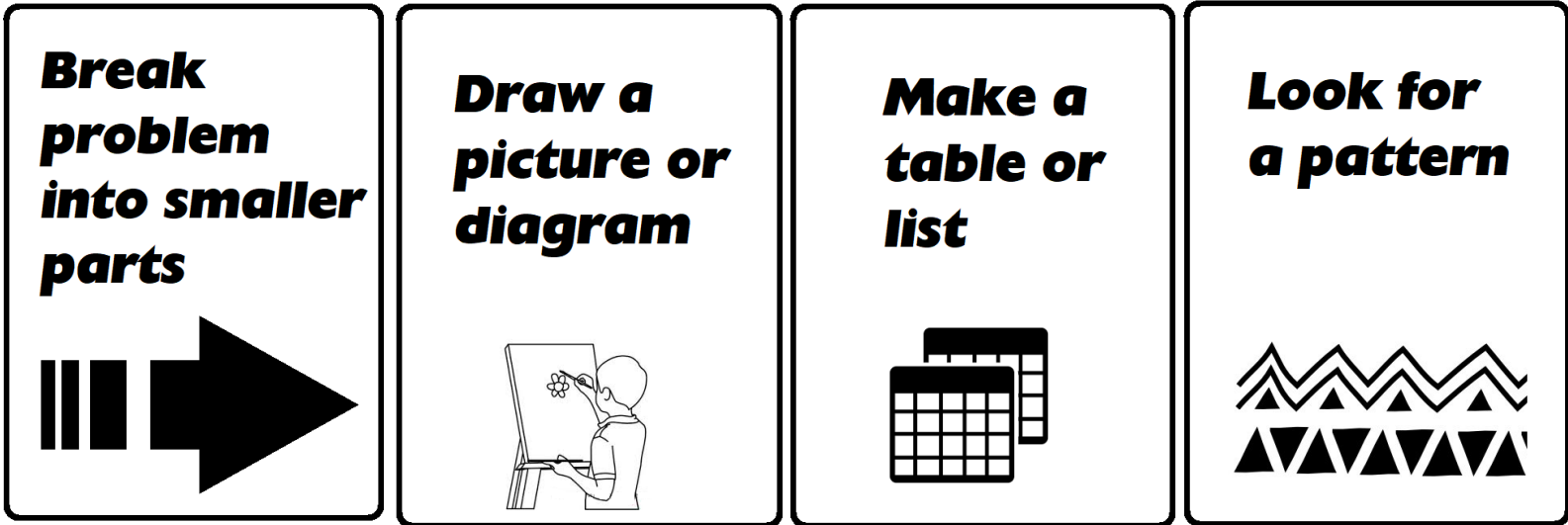


VCCE WORKSHEETS: SOLVING PROBLEMS

NAME: _____



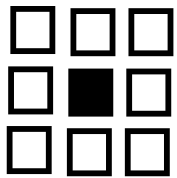
FOUR PROBLEMS SOLVING STRATEGIES:



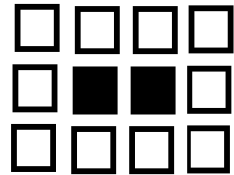
Solve the following problems using two of the above strategies.

1. Vince collects marbles. He has three bottles of marbles. Each jar contains the same amount of marbles. The last time he checked he had a total of 30 marbles. He then collect more in games and place 4 marbles in each jar. How much does Vince have in each bottle?
2. Sandra is taking pictures of Delia, Nick and Joel. She asks them, "How many different ways could you three stand in a line?"
3. In a class, a teacher questioned his students to find out about their hobbies. He discovered that 12 students enjoyed sports, 10 enjoyed reading, 8 enjoyed singing, and 5 enjoyed art and craft. Show how many students are in the class.
4. How many pizzas should I make to satisfy 32 children, if each child eats 2 pizzas and one round of pizza has 8 cuts each?

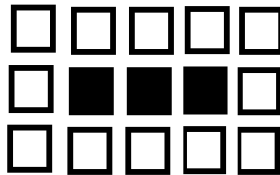
5. Gardens are framed with a single row of tiles as illustrated here. For example, a garden of length 3 requires 12 border lines.



length 1



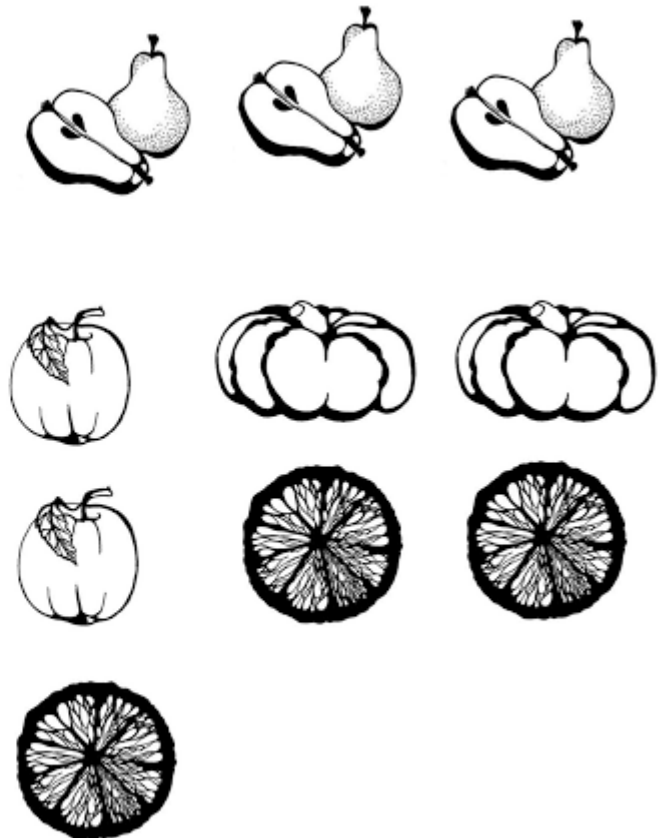
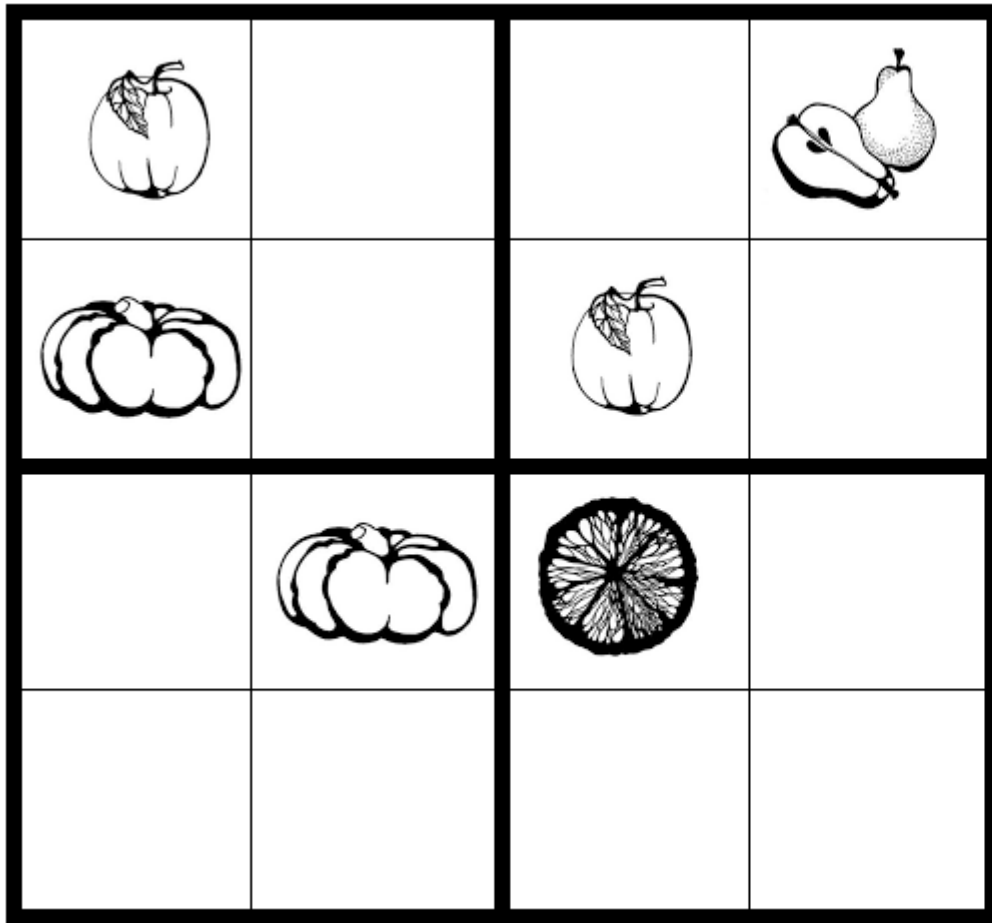
length 2












length 3

How many border lines are required for a garden of length 12.

SOLVE THE SODUKU PUZZLE



 butterfly	 ladybug		
 ant		 butterfly	
		 ladybug	 butterfly
 ladybug		 wasp	 ant



wasp



wasp



wasp



ant



ant

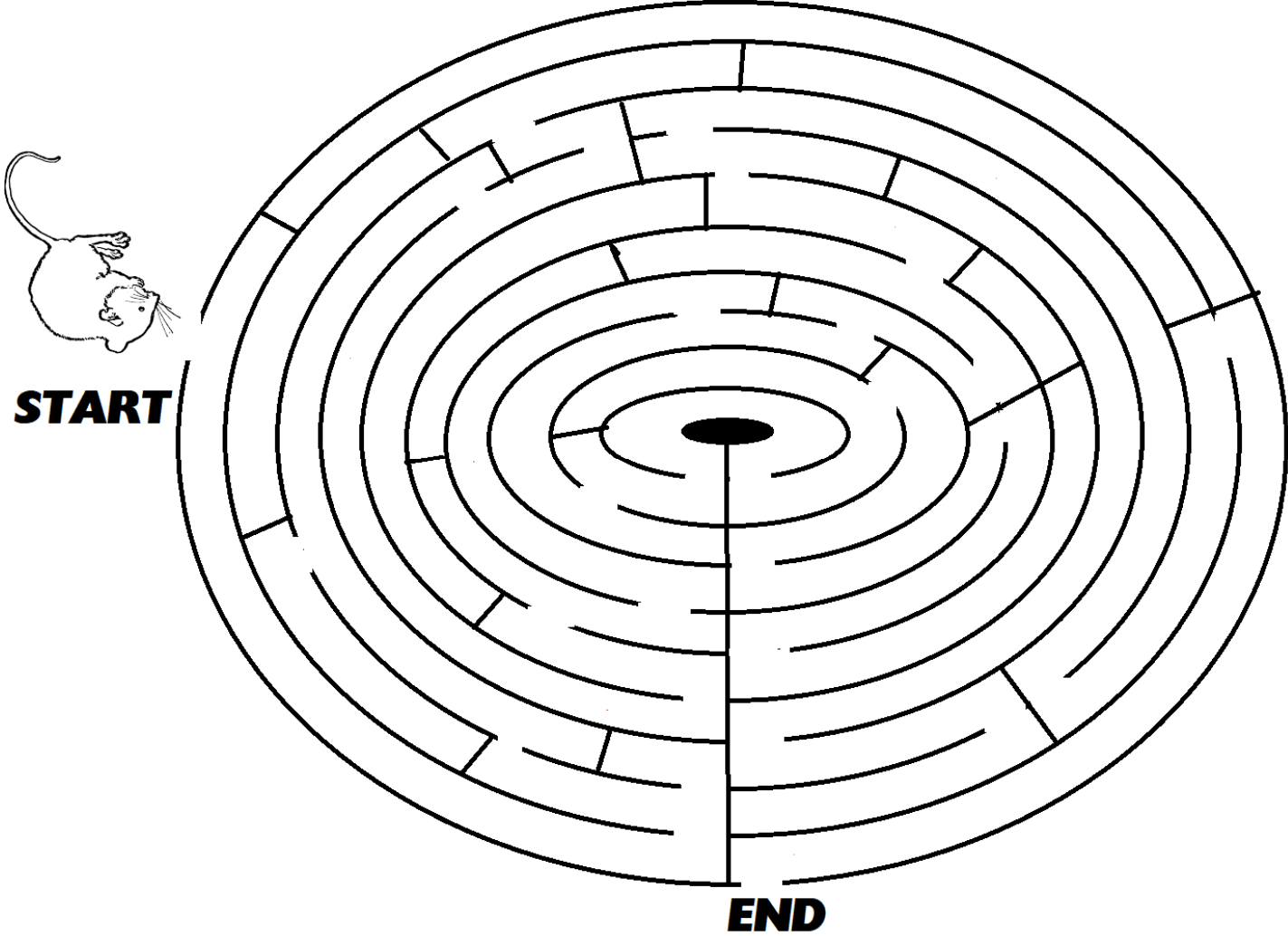


butterfly



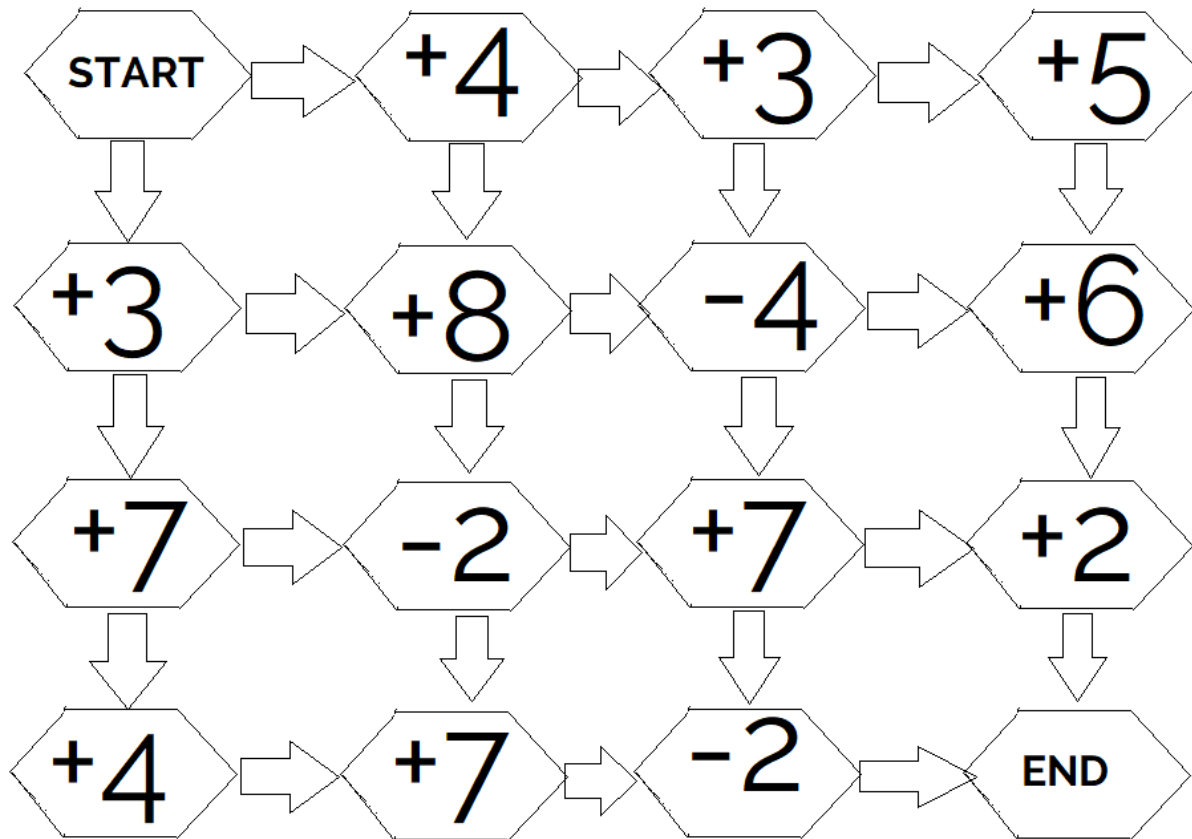
ladybug

MAZE PUZZLE: SHOW THE MOUSE THE WAY



NUMBER MAZE: TARGET 15

Start the maze with zero. You have to finish the maze with a total of 15. You must follow one of the arrows each time. There are two possible routes. Can you find them?



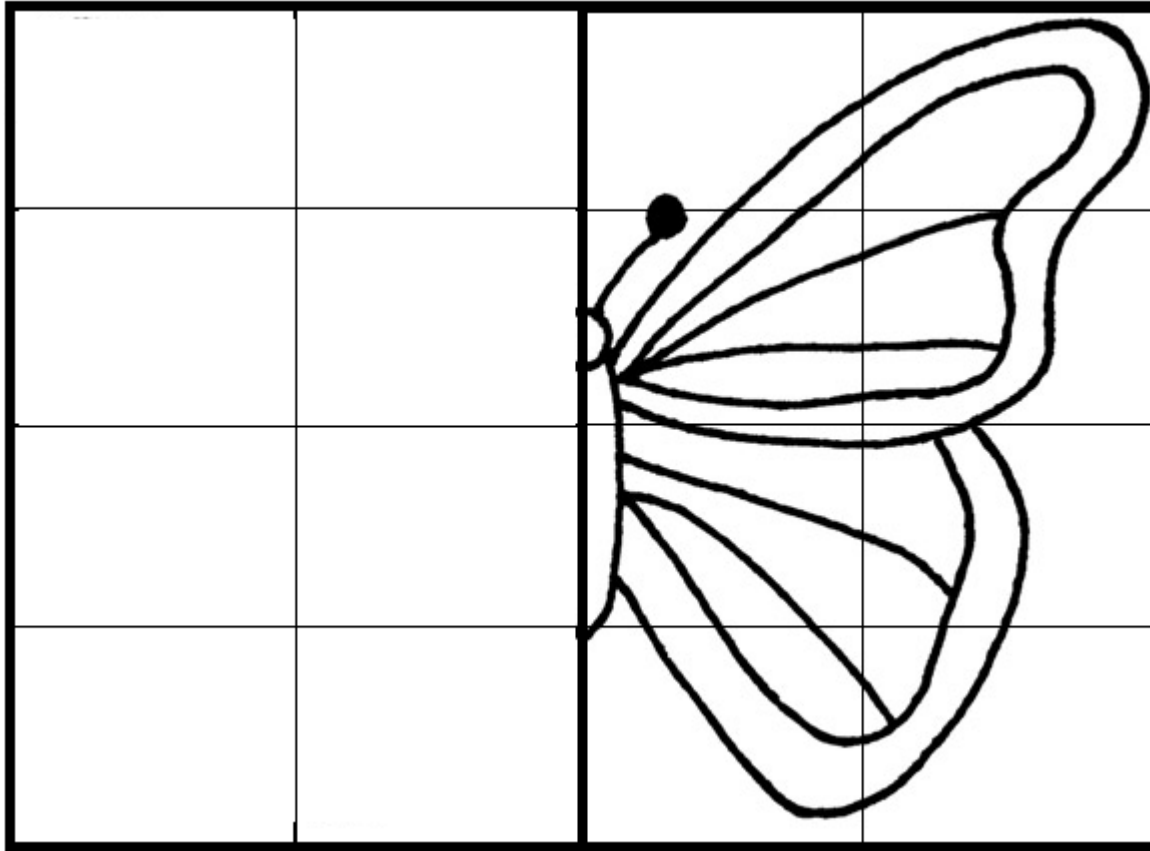
Extra challenge

Find the route with the highest total.

Find the route with the lowest total.

Symmetry

Draw the other half of the figure. Using the squares as a guide, then draw the picture.



How many circles do you see?

Answer: _____circles

