1. What is the best way to draw the following objects in a DIN A4 sheet of paper? *Mark your choice with an X.*

	BIGGER	EQUAL	SMALLER
A car			**X**
The plan of your house			
A bottle of water (2l)			
Scissors			
A battery			
The map of Spain			
A cardboard box			
A DVD			
An eraser			
Your TV			
The parts of a lighter			
A virus			
A lorry			
The machinery of a watch			
A crane			
A bacterium			
A tree			
The door of the classroom			
A classmate			

2. Complete the following table:

Drawing measurement (cm)	Real measurement (cm)	ENLARGEMENT OR REDUCTION	SCALE
2	10		
60	6		
4	40		
100	500		
20	2		

3. According to the scale expression in each case, write down if it reffers to an ENLARGMENT, FULL OR REDUCTION scale.

SCALE	TYPE
1:2	
3:1	
1:1	
20:1	
1:30	
60:6	

4. Draw a square of 4 cm in size in the space below. Then apply a scale of 1:2 to it.

   a. Are the sides in the new drawing BIGGER or SMALLER than 10 cm?

   _____

   b. Is it a REDUCTION, FULL or ENLARGEMENT scale?

   _____

5. A circular object has a radio of 0,5m. Calculate the diameter of the circle we would draw on paper to represent it, if we use a 1:100 scale.

6. Calculate the scale we need to us if we want to draw a table that is 1.5 m in length, but its measurement in the drawing has to be 15cm.

7. Calculate the real height of a building if the scale of the plan is 1:500 and its drawing is 3 cm high.

8. A highway is 24m wide. If we want to add this highway on a plan with a scale of 1:200, How many millimeters wide will it be on paper?

9. Looking at a map, we can see a river that is 1cm wide on it. How wide would be the real river if the map scale is 1:25.000?

10. Two cities are separated 45mm on the map drawn using a 1:50.000 scale. What will the real distance be between them?