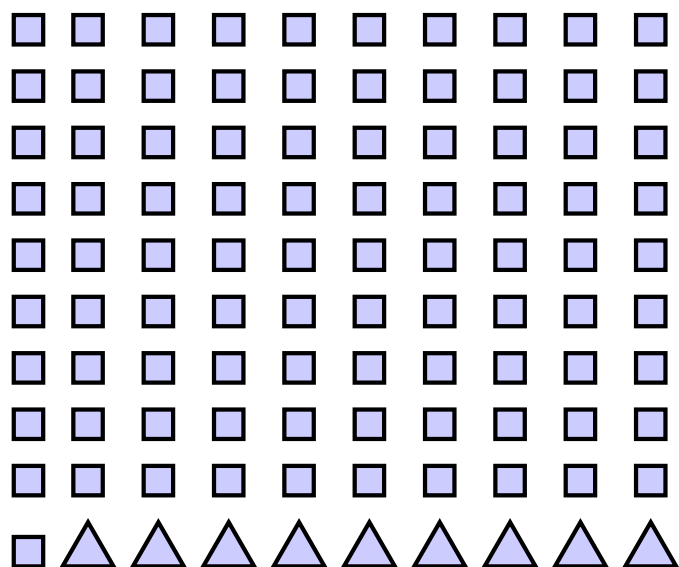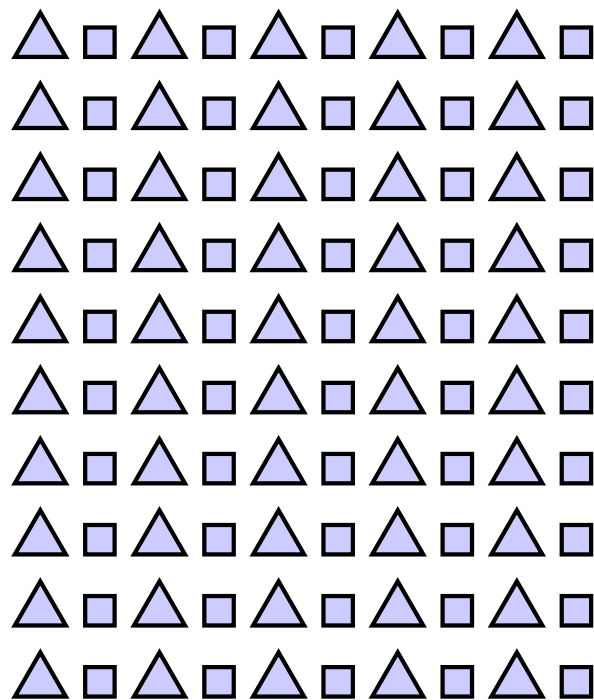# Redistricting Worksheets

February 26, 2019

Figure 1: Scenario 1: Triangles represent GOP voters, rectangles Democrats. Draw 10 districts in a way that guarantees a Republican majority.

How many seats do Republicans win?
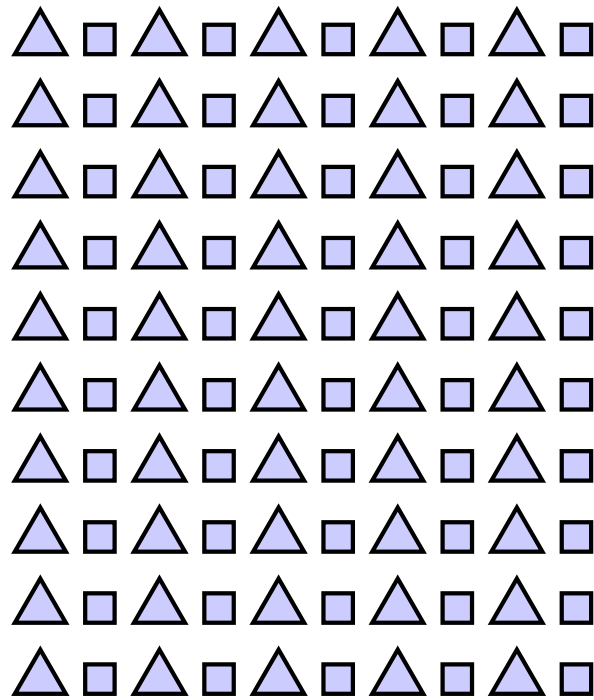How many seats do Democrats win?

Figure 2: Scenario 2: Triangles represent GOP voters, rectangles Democrats. Draw 10 districts in a way that guarantees maximum competition, while adhering to equal population.

How many seats do Republicans win?
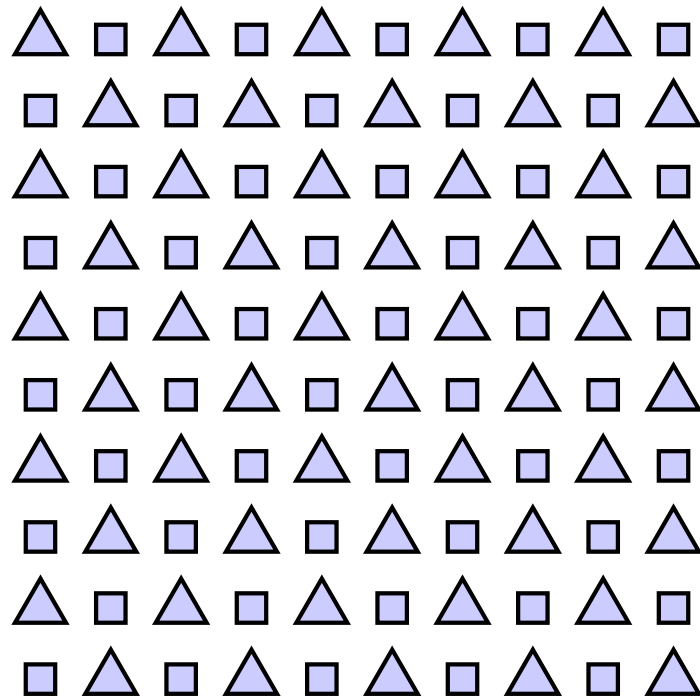How many seats do Democrats win?

Figure 3: Scenario 3: Triangles represent GOP voters, rectangles Democrats. Draw 10 districts in a way that guarantees complete incumbent protection, while adhering to equal population.

How many seats do Republicans win?
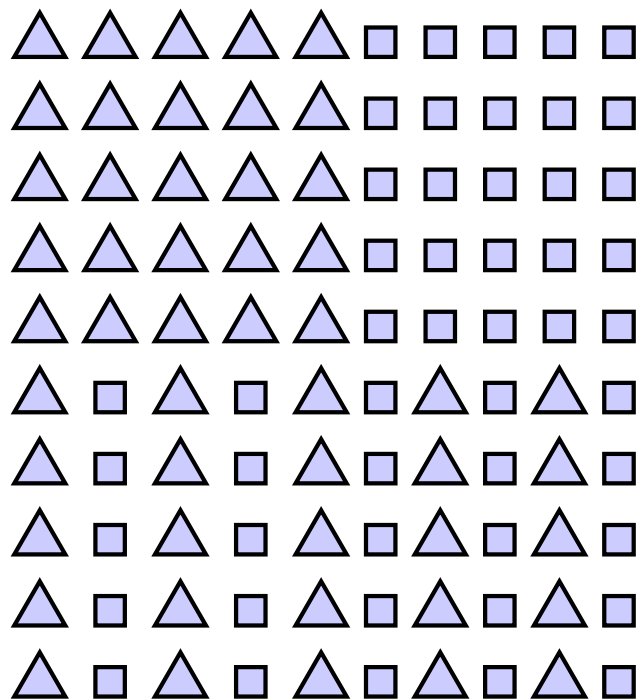How many seats do Democrats win?

Figure 4: Scenario 4: Triangles represent GOP voters, rectangles Democrats. Draw 10 districts in a way that maximizes the number of seats won by Democrats, while adhering to equal population.

How many seats do Republicans win?
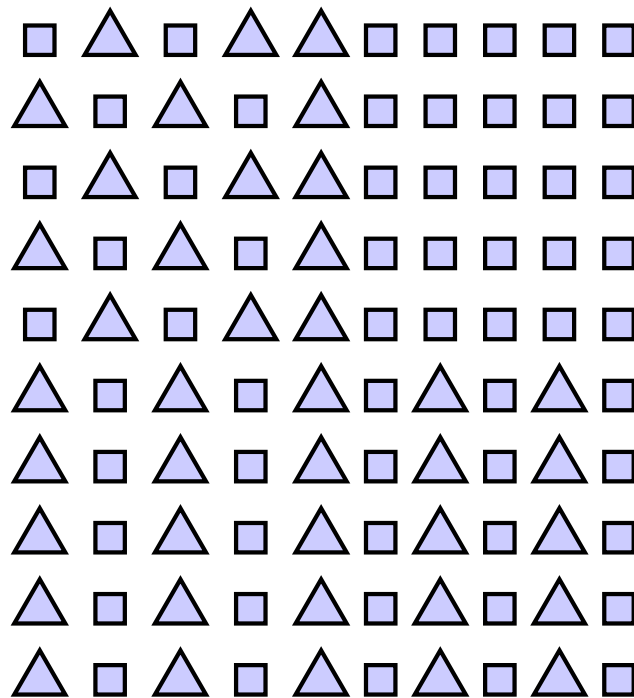How many seats do Democrats win?

Figure 5: Scenario 5: Triangles represent GOP voters, rectangles Democrats. Draw 4 districts in a way that maximizes compactness, while adhering to equal population.

How many seats do Republicans win?
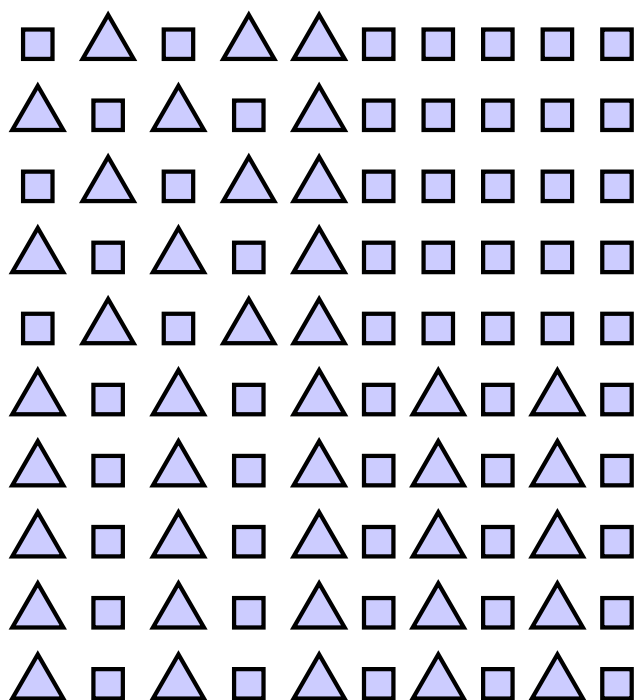How many seats do Democrats win?

Figure 6: Scenario 6: Triangles represent GOP voters, rectangles Democrats. Draw 4 districts in a way that maximizes compactness, while adhering to equal population.

How many seats do Republicans win?
How many seats do Democrats win?

Figure 7: Scenario 7: Triangles represent GOP voters, rectangles Democrats. Draw 4 districts in a way that ensures proportional representation, while adhering to equal population.

How many seats do Republicans win?
How many seats do Democrats win?