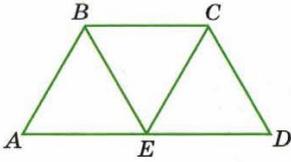
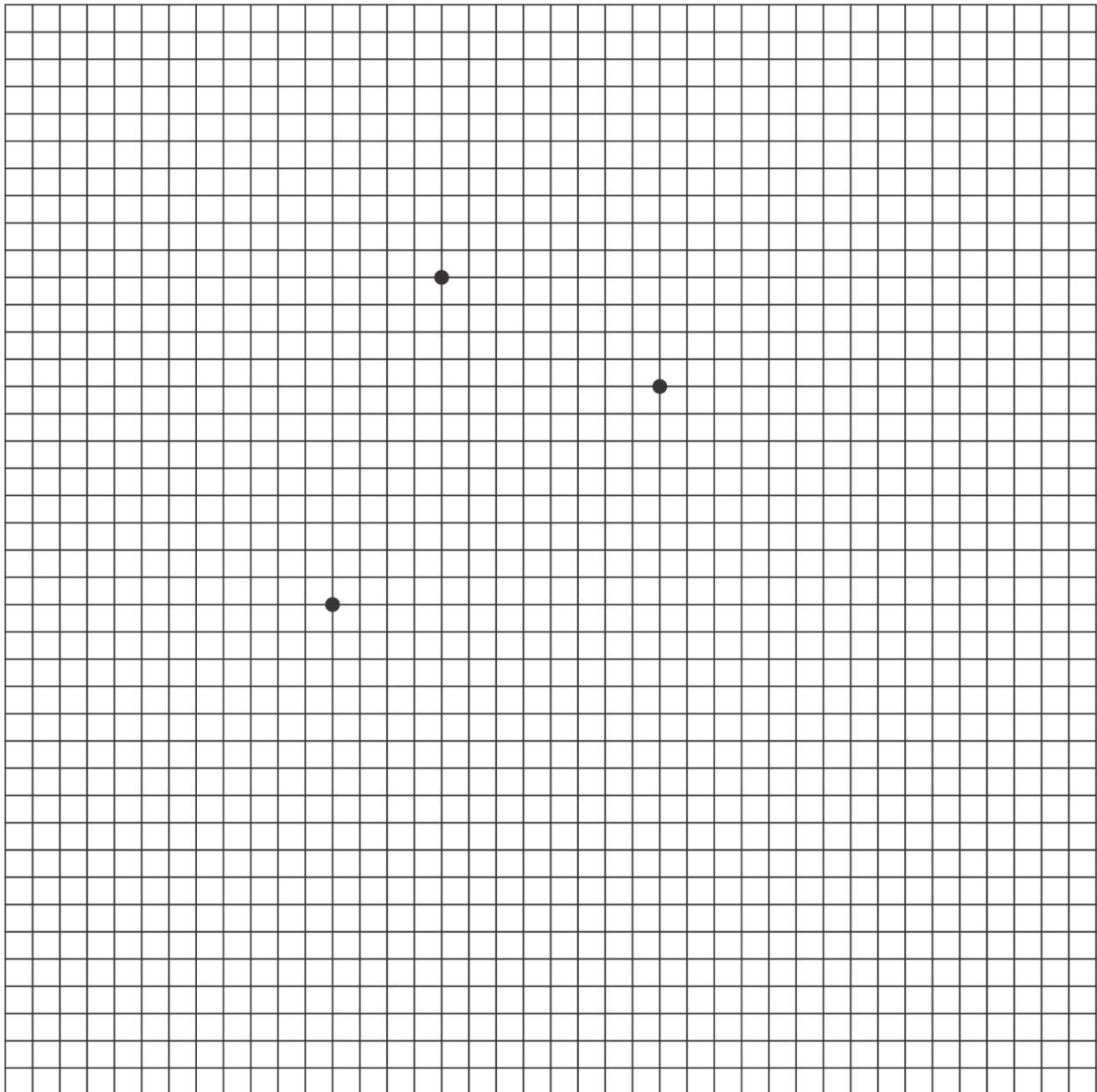
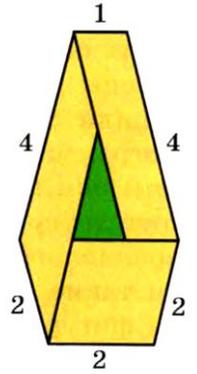


1. All quadrilaterals on the picture are parallelograms. What are the lengths of the sides of green triangle?



2. $ABCE$ and $BEDC$ are rhombuses. $|BC|$ is 3 cm. Find the perimeter of triangle BEC . What are the angles of this triangle.

3. Points A, B, and C are vertices of a parallelogram. Draw all possible parallelograms.



4. There are two cups, one with coffee and another one with milk (the amounts of coffee and milk are the same). One teaspoon of coffee is poured into milk and mixed. Then one teaspoon of mixture is poured into coffee. Is there now more coffee in the milk, or milk in the coffee? (Explain your answer, the probability to guess the right answer is $1/3$.)

5. Solve equations:

a. $\frac{x+3}{4} = 3x - 5;$

b. $\frac{x-3}{5} + \frac{x+2}{4} = \frac{1}{2}$

c. $\frac{2-x}{3} = x - 3;$

d. $\frac{x^2-3}{4} + \frac{x+2}{2} = 6 + \frac{2x-3}{2}$

