Got a light?

Change three matchsticks into six without breaking any of them

Move four matchsticks to make three equilateral triangles

Move two matchsticks to form four triangles

Remove three matchsticks to make four triangles

Move three matchsticks to make four squares

This arrangement forms thirteen triangles (nine small, three medium, one large).

Remove three matchsticks to make four triangles.

Got a light?

Move three matchsticks to make three squares

Move three matchsticks—no overlapping—to make four equilateral triangles

The current arrangement is, left to right, 4–3–2–1. Move just one matchstick to change the arrangement to 1–2–3–4.

Remove four matchsticks to leave just three triangles

Move three matchsticks to leave just three triangles