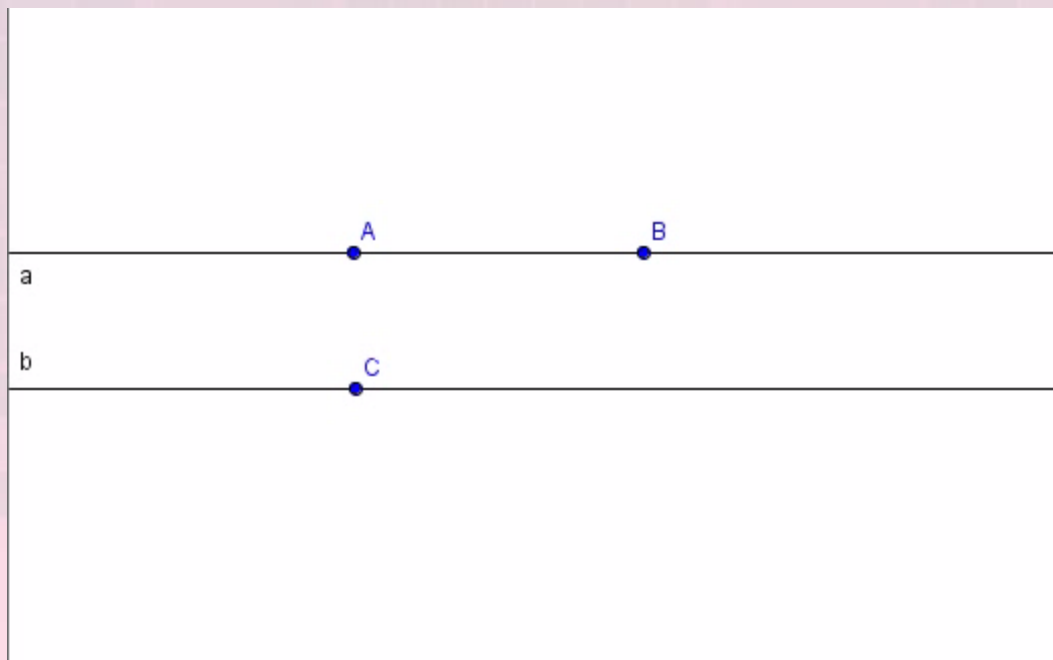
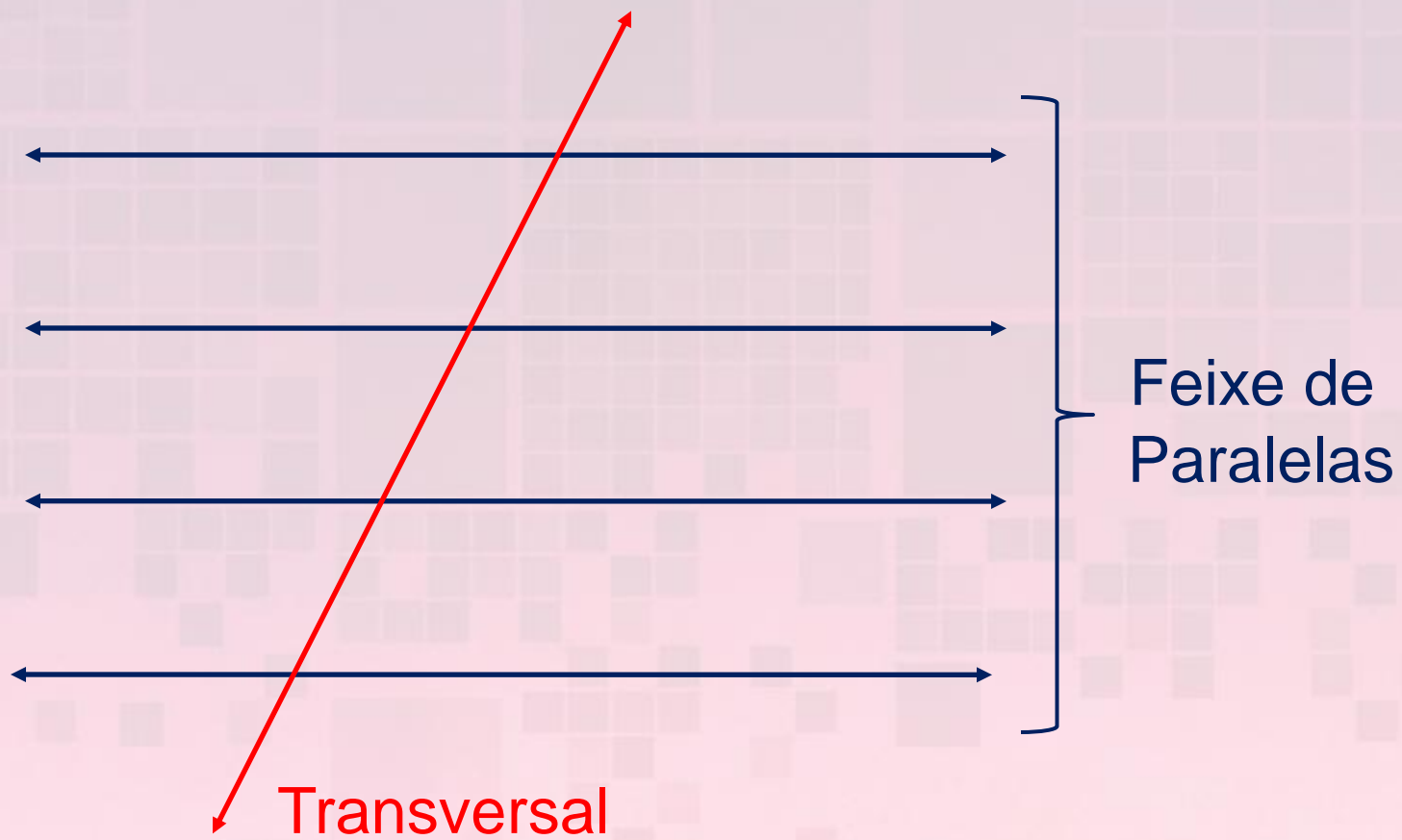


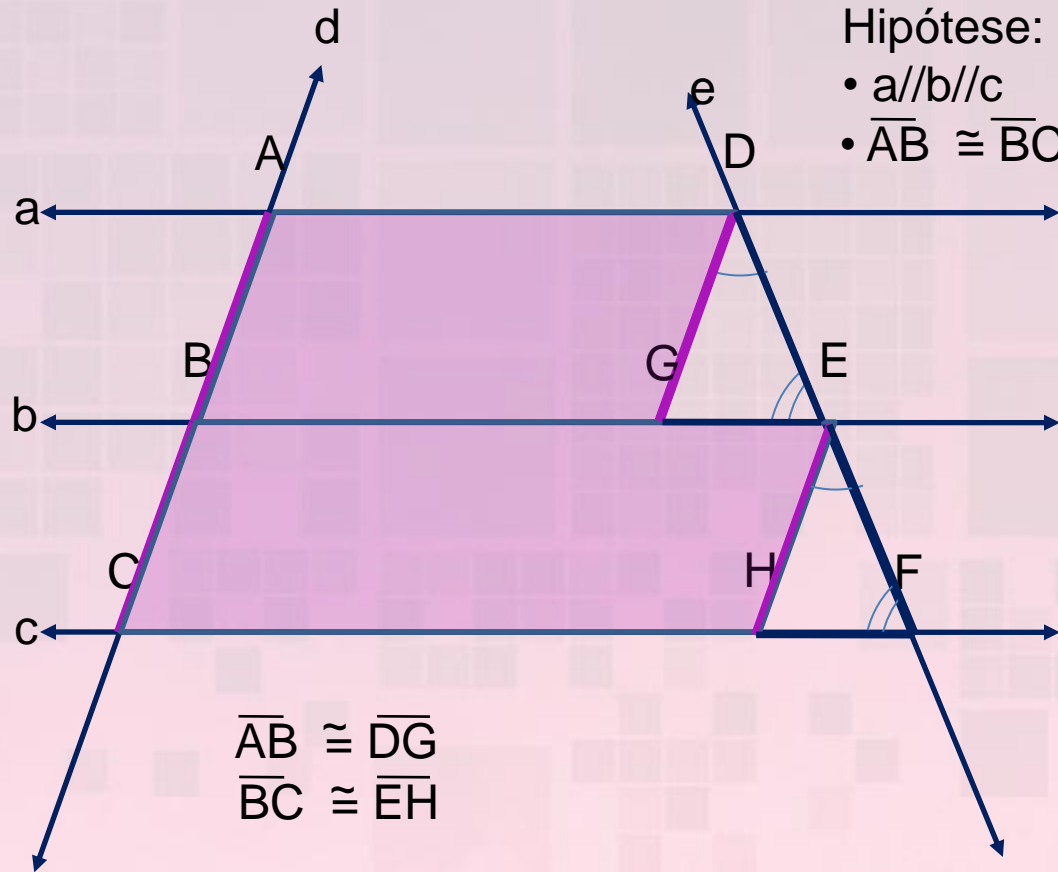
The image features a complex abstract composition. A dark purple background is overlaid with a light purple grid pattern. Several thick, diagonal lines in shades of yellow, orange, and red cross the frame. A dark purple diagonal band is also present. The word 'MATEMÁTICA' is written in white, bold, sans-serif capital letters, slanted to follow the angle of one of the diagonal lines. The overall aesthetic is modern and geometric.

**MATEMÁTICA**

# Teorema de Tales



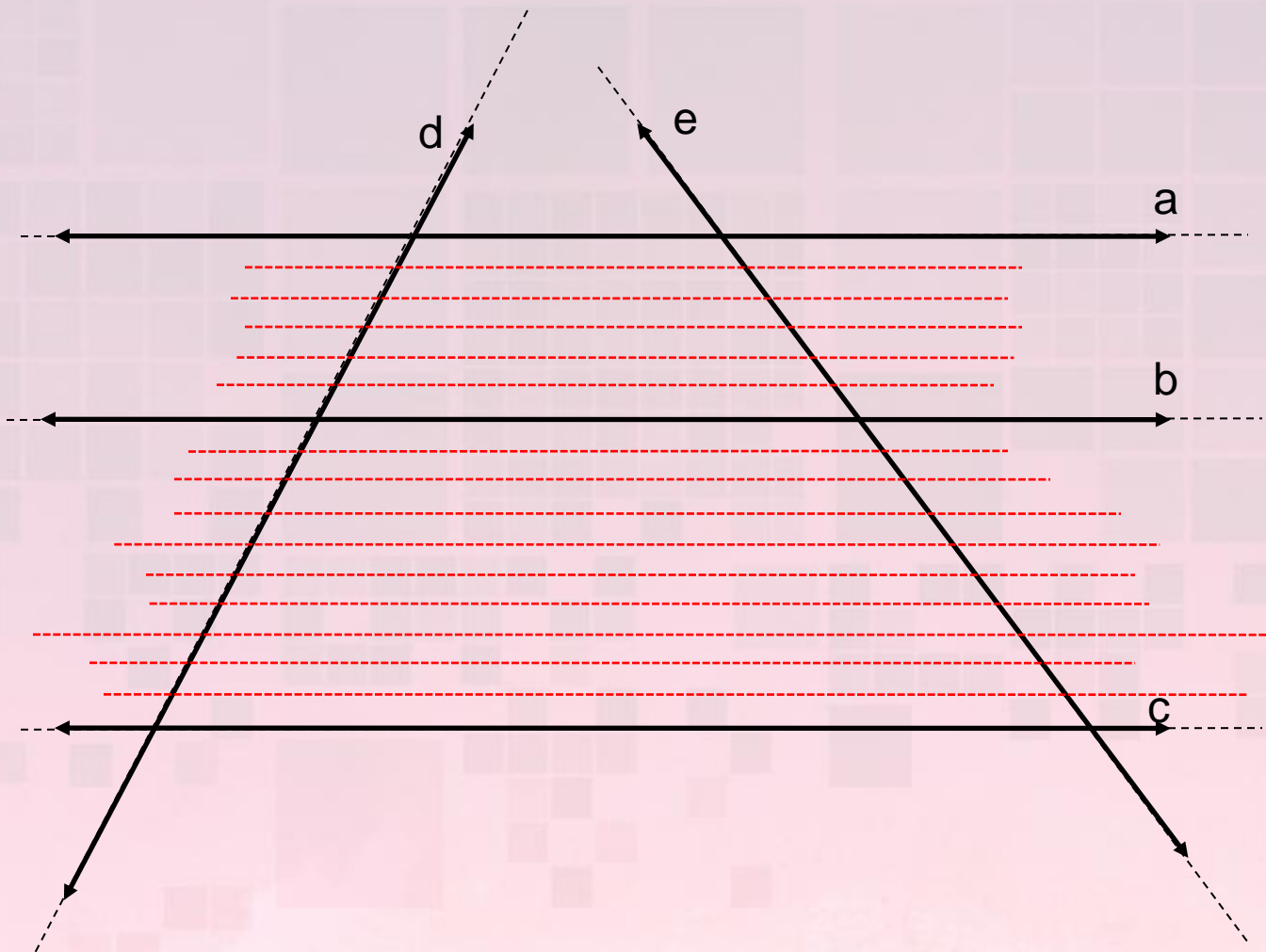


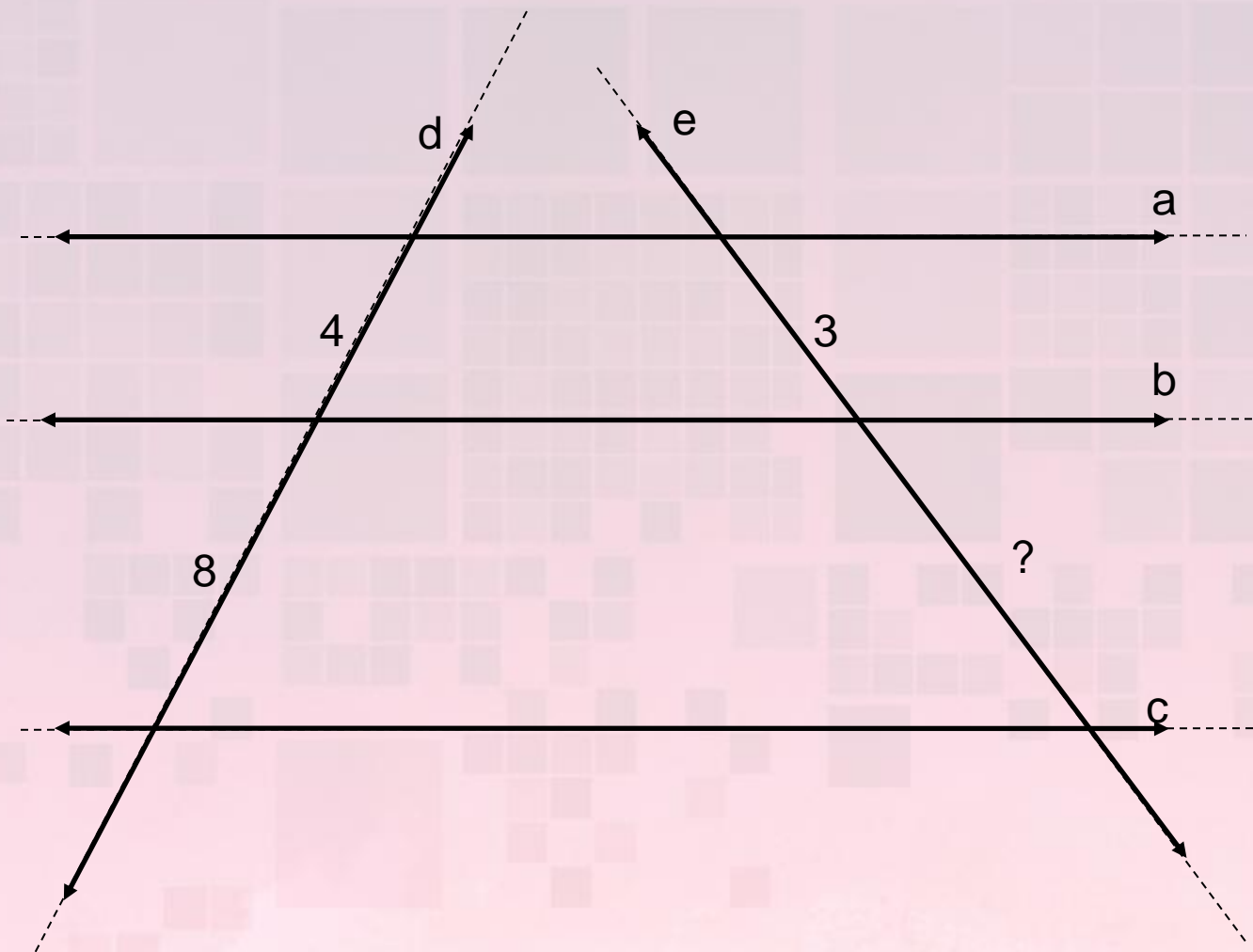


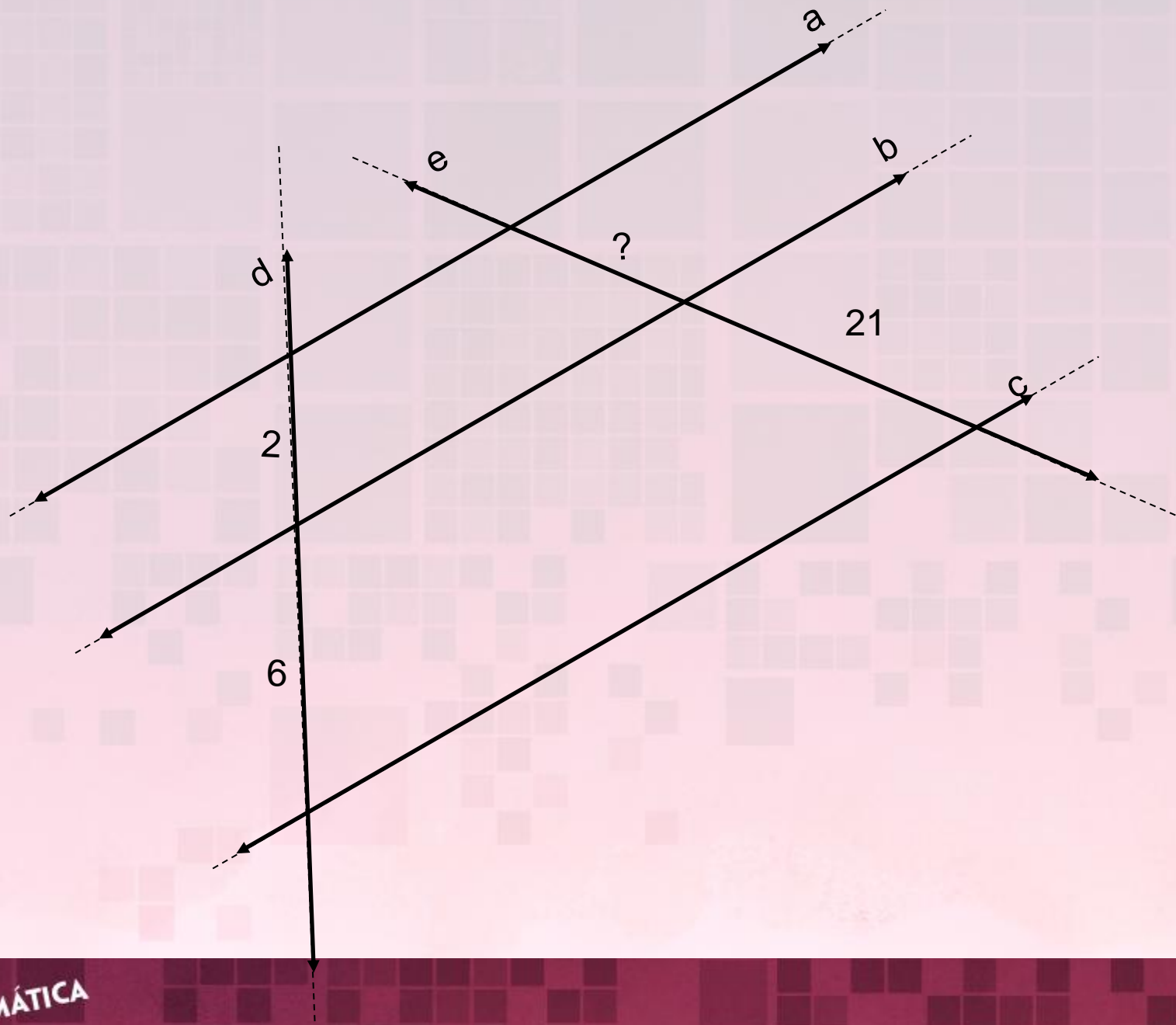
Hipótese:  
 •  $a // b // c$   
 •  $\overline{AB} \cong \overline{BC}$

Tese  
 $\overline{DE} \cong \overline{EF}$

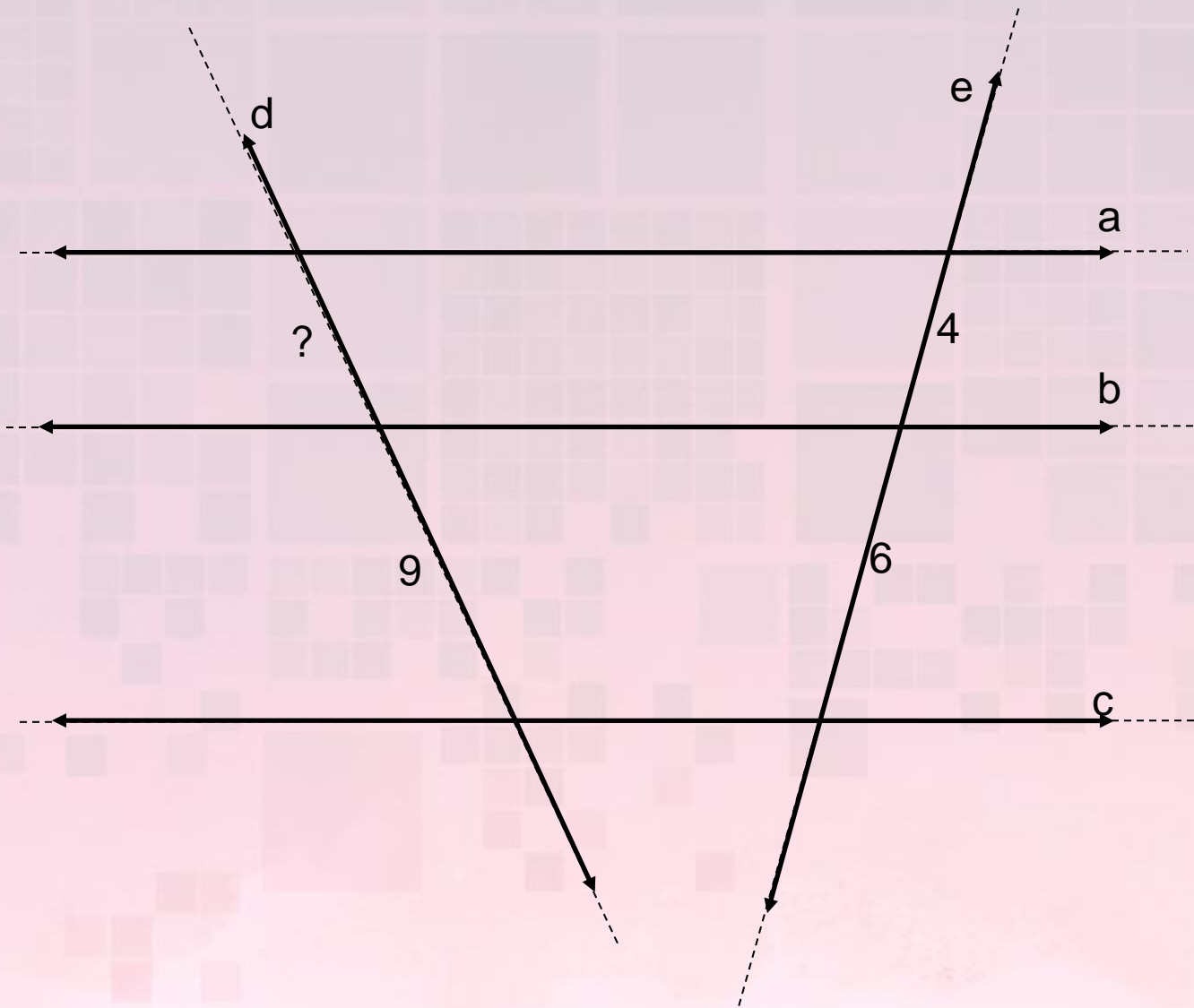
$\overline{AB} \cong \overline{DG}$   
 $\overline{BC} \cong \overline{EH}$

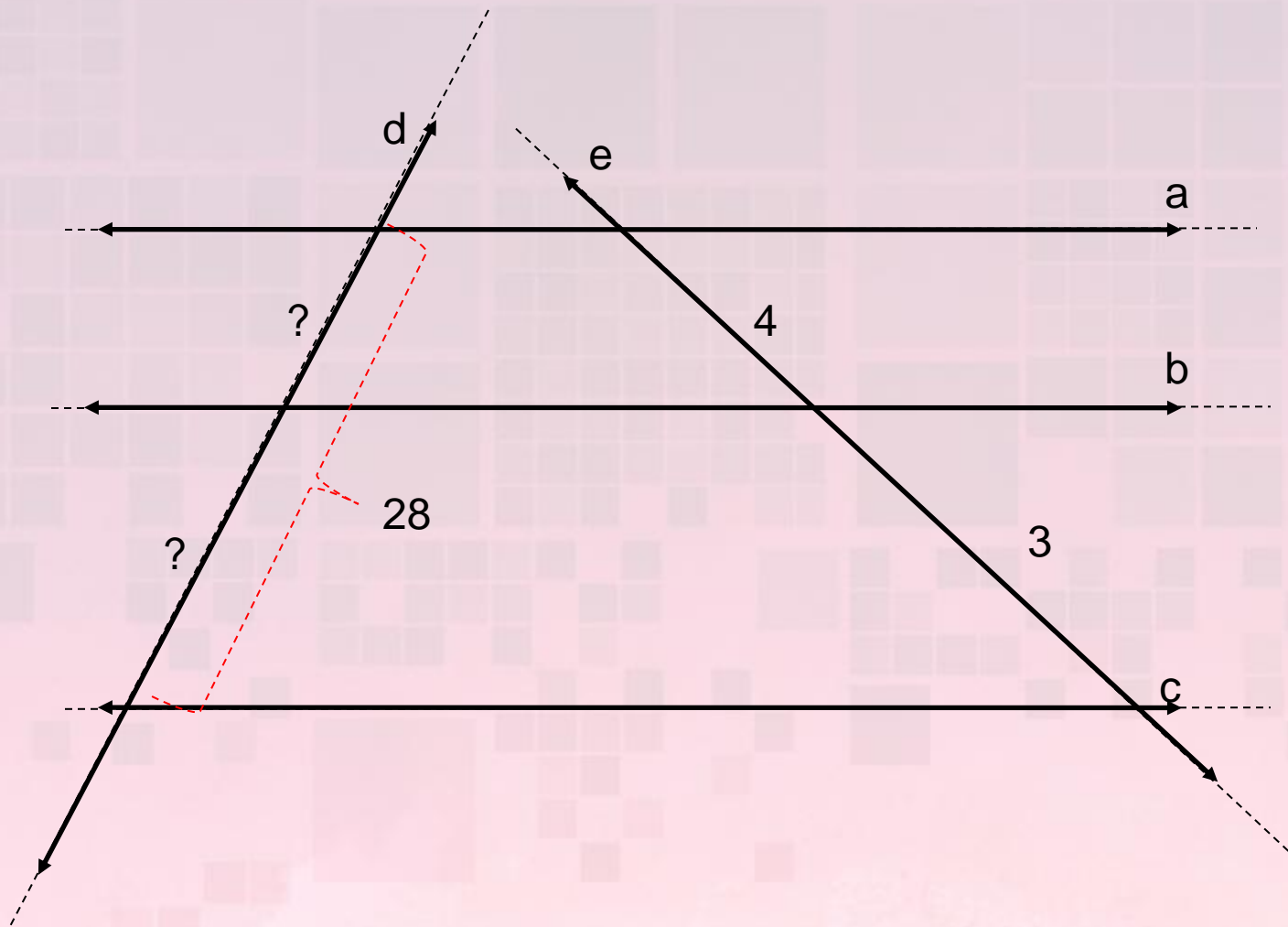












# Consequência

Quando uma paralela a um dos lados de um triângulo intercepta os outros lados, ela determina sobre esses lados segmentos proporcionais.

