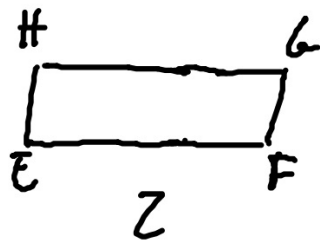
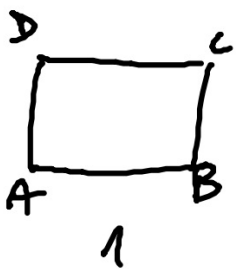


FIGURE EQUIVALENTI = STESSA AREA  
FIGURE ISOPERIMETRICHE = STESSO PERIMETRO

FIGURE EQUIVALENTI NON SONO  
SEMPRE ISOPERIMETRICHE



$$A_1 \stackrel{\sim}{=} A_2 \quad \left| \quad FG = 50\right.$$

$$AB = 60\text{ cm}$$

$$BC = \frac{2}{3} AB$$

$$EF = \frac{4}{5} AB$$

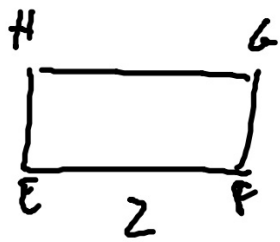
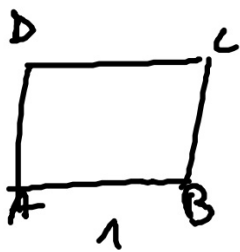
$$BC = AB : 3 \times 2 = 60 : 3 \times 2 = 40\text{ cm}$$

$$A_1 = AB \times BC = 60 \times 40 = 2400\text{ cm}^2$$

$$EF = AB : 5 \times 4 = 60 : 5 \times 4 = 48\text{ cm}$$

$$FG = A_2 : EF = \frac{2400}{48} = 50\text{ cm}$$

$$1:10$$



$$\begin{array}{l}
 P_1 = P_2 \\
 \boxed{AB} = 25 \text{ cm} \\
 \boxed{AB} = \frac{5}{2} BC \\
 EF = \frac{3}{4} FG
 \end{array}
 \left| \begin{array}{l} P_1 \\ A_1 \\ A_2 \end{array} \right.$$

$$BC = AB : 5 \times 2 = 25 : 5 \times 2 = 10 \text{ cm}$$

$$P_1 = (AB + BC) \times 2 = (25 + 10) \times 2 = 70 \text{ cm}$$

$$EF + FG = P_2 : 2 = 70 : 2 = 35 \text{ cm}$$

$$U = (EF + FG) : 7 = 35 : 7 = 5 \text{ cm} \quad 1 : 5$$

$$EF = U \times 3 = 5 \times 3 = 15 \text{ cm}$$

$$FG = U \times 4 = 5 \times 4 = 20 \text{ cm}$$

$$A_1 = AB \times BC = 25 \times 10 = 250 \text{ cm}^2$$

$$A_2 = EF \times FG = 15 \times 20 = 300 \text{ cm}^2$$