

$$\textcircled{2}^a \quad \left. \begin{aligned} Q_1 &= 0 + \frac{0,25-0}{0,338} \cdot 15 = 11,09 \\ Q_{2M} &= 15 + \frac{0,5-0,338}{0,587} \cdot 15 = 21,33 \\ Q_3 &= 30 + \frac{0,75-0,472}{0,130} \cdot 15 = 33,23 \end{aligned} \right\} \text{Mezycy\u0142i\u0144}$$

$$\text{Me} = \frac{33,23 - 11,09}{2} = 21,33 \quad \text{Mediana Mezycy\u0142i\u0144: 21,33}$$

$$Q_{2L} = 15 + \frac{0,5-0,417}{0,382} \cdot 15 = 18,38 \rightarrow \text{Mediana kobiet}$$

odp.: Prawda

$$\textcircled{b} \quad \left. \begin{aligned} 57 &= 45 + \frac{p-0,852}{0,071} \cdot 15 \\ 12 &= \frac{p-0,852}{0,071} \cdot 15 \quad | : 15 \\ \frac{12}{15} &= \frac{p-0,852}{0,071} \quad | \times na \text{ lewy} \\ 0,852 &= 15p - 15 \cdot 0,852 \\ 15p &= 16 \cdot 0,852 \\ 15p &= 13,632 \\ p &= 0,9088 \rightarrow 90,88\% \end{aligned} \right\} \text{Mezycy\u0142i\u0144}$$

$$\left. \begin{aligned} 57 &= 45 + \frac{x-0,905}{0,058} \cdot 15 \\ 12 &= \frac{x-0,905}{0,058} \cdot 15 \\ \frac{12}{15} &= \frac{x-0,905}{0,058} \\ 0,696 &= 15x - 13,575 \\ 17,271 &= 15x \\ x &= 0,9514 \rightarrow 95,14\% \end{aligned} \right\} \text{Kobiety}$$

$$\textcircled{c} \quad \begin{aligned} 33,23 + \frac{3}{2} (33,23 - 11,09) &= 66,74 \stackrel{>}{\neq} 57 \stackrel{\text{mezycy\u0142i\u0144}}{\nearrow} \text{nie adate} \\ 28,19 + \frac{3}{2} (28,19 - 9,06) &= 56,885 < 57 \text{ adate} \\ &\searrow \text{kobiety} \end{aligned}$$