



$$\begin{aligned}
 5. \quad \text{Perimeter of } \triangle ABC &= AB + BC + CA \\
 &= \frac{5}{2} + 2\frac{3}{4} + 3\frac{3}{5} \\
 &= \frac{5}{2} + \frac{11}{4} + \frac{18}{5} \\
 &= \frac{50 + 55 + 72}{20} \\
 &= \frac{177}{20} \\
 &= 8.85 \text{ cm}
 \end{aligned}$$

$$\begin{aligned}
 \text{Perimeter of rect. BCDE} &= 2 (\text{sum of adj. Sides}) \\
 &= 2 \left( \frac{33+14}{12} \right) = \frac{94}{12} = 7.83 \text{ cm} \\
 &= \frac{47}{12} \times 2 \\
 &= 2 \left( 2\frac{3}{4} + \frac{7}{6} \right) \\
 &= 2 \left( \frac{11}{4} + \frac{7}{6} \right)
 \end{aligned}$$

$\therefore \text{Per}(\triangle) > \text{Per}(\text{rect})$