

UNIT 4 EXERCISES 1-5

TRIANGLES

2015A

2. **Answer (E):** By the Triangle Inequality the third side must be greater than $20 - 15 = 5$ and less than $20 + 15 = 35$. Therefore the perimeter must be greater than $5 + 20 + 15 = 40$ and less than $35 + 20 + 15 = 70$. Among the choices only 72 cannot be the perimeter.