

Solutions

2.1 Rectangle area = $8 \times 5 = 40 \text{ cm}^2$.

2.2 Triangle area = $8 \times 5 / 2 = 20 \text{ cm}^2$.

2.3 Interior-angle sum = $(5-2) \times 180 = 540^\circ$.

2.4 Area scales by the square of the length factor: $3^2 = 9$.

2.5 Volume scales by the cube: $3^3 = 27$.

3.1 False. Base 8 cm and perpendicular height 5 cm give rectangle area 40 cm^2 and triangle area 20 cm^2 .

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.