

<< Area & Perimeter >>

<Writing>

Look at the sides which contact the side of the next trapezium. There are 4 such AB as shown in red in Figure 1.

Perimeter of 3 trapeziums – Perimeter of Figure 1 = 4 AB

96 × 3 = 288 (cm) 288 – 204 = 84 (cm) 84 ÷ 4 = 21 (cm)	→ Length of 4 AB → a) AB
$1 932 \div 2 = 966 (cm^2)$ Since AB = 21 cm,	\rightarrow Area of 1 rectangle
966 ÷ 21 = 46 (cm)	\rightarrow Length of the rectangle
46 – 21 – 12 = 13 (cm)	→ b) AD

Answer a) 21 cm b) 13 cm

