

Year 5 - 12-11-20 - Bonus Extension Task - Area of Compound Shapes

Question 1

$$\begin{aligned} \text{a) } (9 \times 8) + (5 \times 7) &= \\ 72 + 35 &= 107\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{b) } (25 \times 12) + (10 \times 6) &= \\ 300 + 60 &= 360\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{c) } (13 \times 3) + (4 \times 7) &= \\ 39 + 28 &= 67\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{d) } (9 \times 3) + (2 \times 5) &= \\ 27 + 10 &= 37\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{e) } (24 \times 8) + (6 \times 12 \times 3) &= \\ 192 + 216 &= 408\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{f) } (8 \times 4) + (2 \times 3) + (3 \times 3) &= \\ 32 + 6 + 9 &= 47\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{g) } (16 \times 2) + (9 \times 4) + (3 \times 8) &= \\ 32 + 36 + 24 &= 92\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{h) } (20 \times 7) + (9 \times 7) &= \\ 140 + 63 &= 203\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{I) } (16 \times 5 \times 2) + (2 \times 4) &= \\ 160 + 8 &= 168\text{cm}^2 \end{aligned}$$

Question 2

$$\begin{aligned} \text{a) } (9 \times 5) - (4 \times 3) &= \\ 45 - 12 &= 33\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{b) } (12 \times 10) - (10 \times 5) &= \\ 120 - 50 &= 70\text{cm}^2 \end{aligned}$$

$$\begin{aligned} \text{c) } (15 \times 15) - ((8 \times 3) + (2 \times 3)) &= \\ 225 - (24 + 6) &= \\ 225 - 30 &= 195\text{cm}^2 \end{aligned}$$