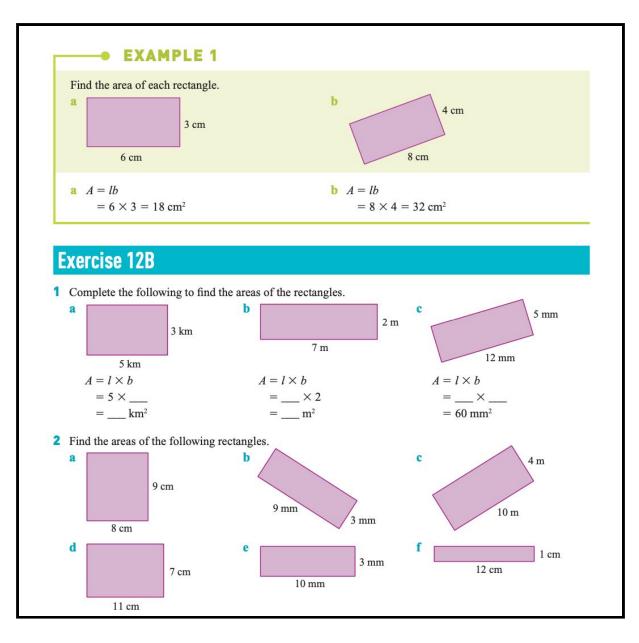
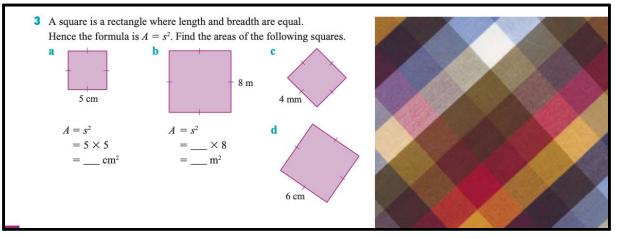
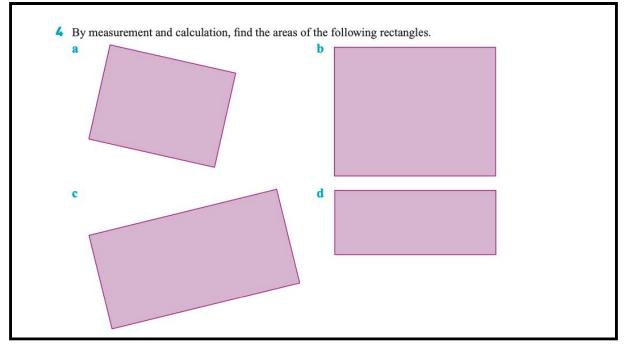
WALT Calculate area of a rectangle

Success Criteria I know the rule to calculate the area of a rectangle.

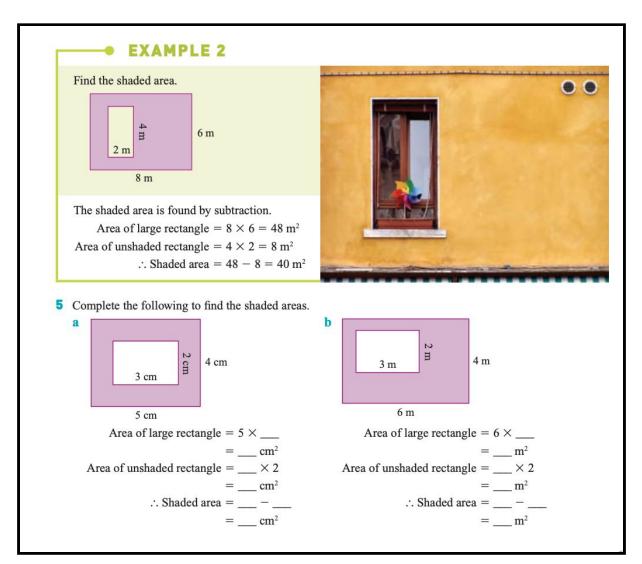
I know my multiplication tables

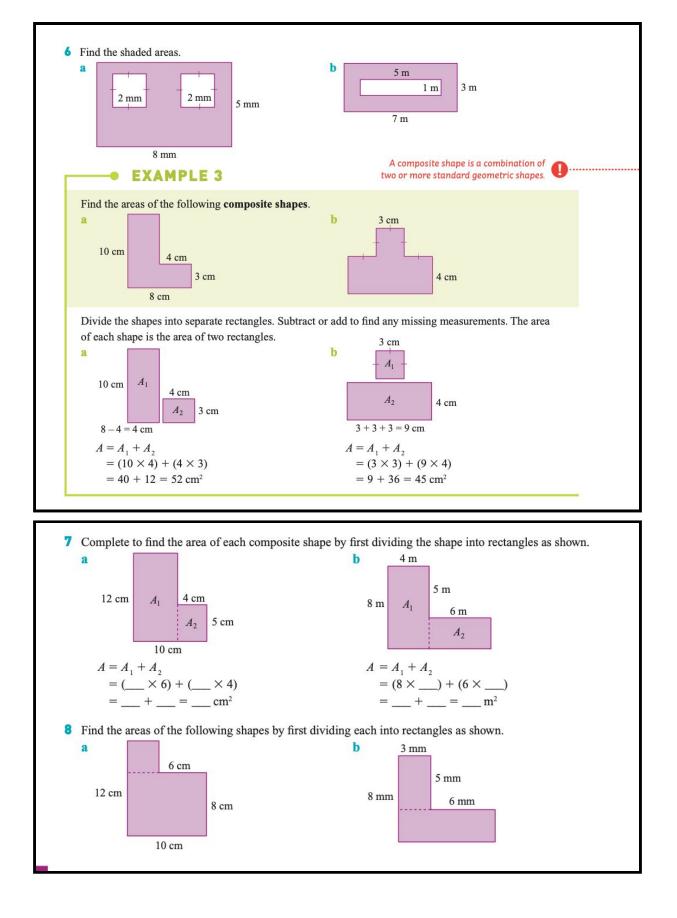


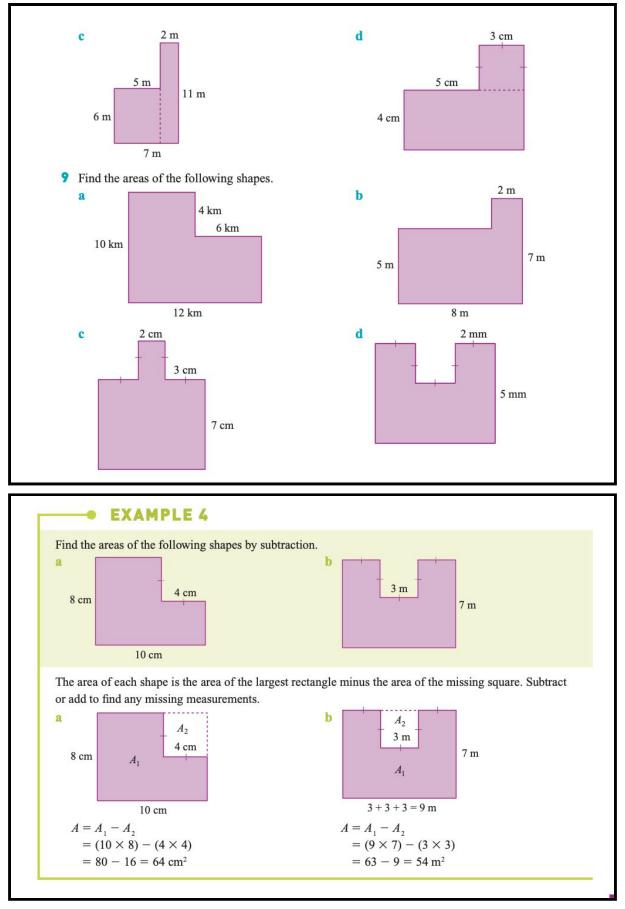




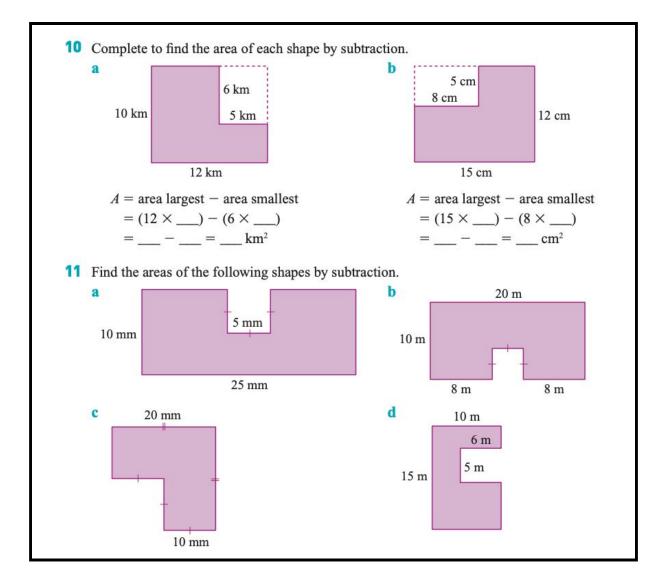
Challenge











Check your answers

1 a $A = 5 \times 3 = 15 \text{ km}^2$ **b** $A = 7 \times 2 = 14 \text{ m}^2$ **c** $A = 12 \times 5 = 60 \text{ mm}^2$ **2 a** 72 cm^2 **b** 27 mm^2 **c** 40 m^2 **d** 77 cm^2 **e** 30 mm^2 **f** 12 cm^2

3 a $A = 5 \times 5 = 25 \text{ cm}^2$ b $A = 8 \times 8 = 64 \text{ m}^2$ **c** 16 mm² **d** 36 cm^2 **4 a** 12 cm^2 **b** 20 cm^2 **c** 18 cm^2 **d** 10 cm^2 **5** a Area of large rectangle = $5 \times 4 = 20 \text{ cm}^2$ Area of unshaded rectangle = $3 \times 2 = 6 \text{ cm}^2$ \therefore Shaded area = 20 - 6 = 14 cm² **b** Area of large rectangle = $6 \times 4 = 24 \text{ m}^2$ Area of unshaded rectangle = $3 \times 2 = 6 \text{ m}^2$ \therefore Shaded area = 24 - 6 = 18 m² **6 a** 32 mm² **b** 16 m² 7 a $A = (12 \times 6) + (5 \times 4) = 72 + 20 = 92 \text{ cm}^2$ **b** $A = (8 \times 4) + (6 \times 3) = 32 + 18 = 50 \text{ m}^2$ 8 a 96 cm² **b** 42 mm² $c 52 m^2$ **d** 41 cm² **9** a 96 km² **b** 44 m² **c** 62 cm² d 38 mm² **10** a $A = (12 \times 10) - (6 \times 5) = 120 - 30 = 90 \text{ km}^2$ **b** $A = (15 \times 12) - (8 \times 5) = 180 - 40 = 140 \text{ cm}^2$ **11 a** 225 mm² **b** 184 m² **c** 300 mm² **d** 120 m²