PERIMETER AND AREA OF COMPOUND SHAPES   TRANSCRIPT
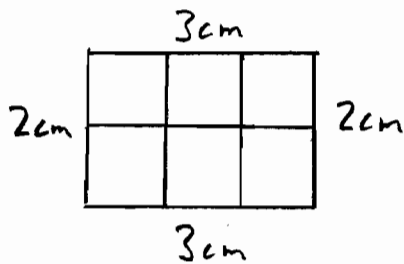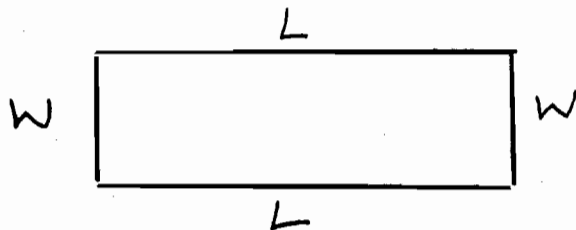
Area and Perimeter of a Rectangle

Perimeter = distance around outside

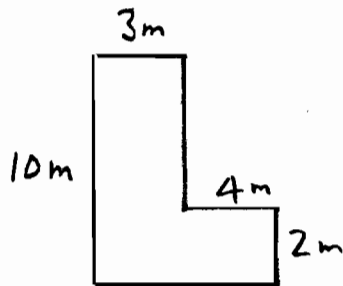$$= 3 + 2 + 3 + 2$$

$$= 10 \text{ cm}$$

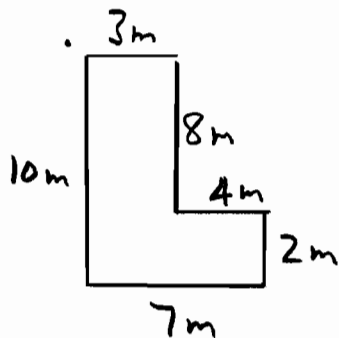$$\text{Area} = 3 \times 2 = 6 \text{ cm}^2$$

Perimeter $= L + W + L + W$

$$= 2L + 2W$$

$$\text{Area} = L \times W$$

Area and Perimeter of Compound Shapes

First calculate the lengths of any unknown sides
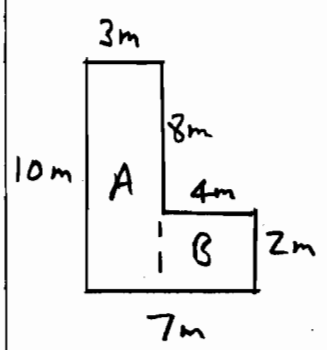
Perimeter

$$3 + 8 + 4 + 2 + 7 + 10 = 34m$$

Put a mark on diagram where you begin recording the lengths of edges.

PERIMETER AND AREA OF COMPOUND SHAPES   TRANSCRIPT
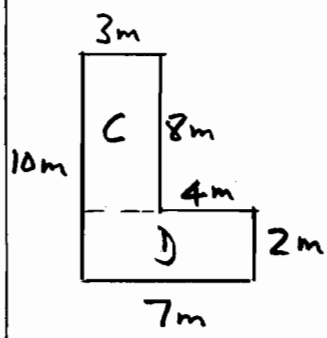
Finding the area of the L-shape 3 different ways

Area

$$A = 10 \times 3 = 30$$
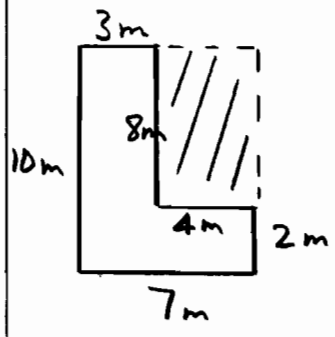$$B = 4 \times 2 = \underline{8} +$$

Total Area = 38 m^2

Area

$$C = 8 \times 3 = 24$$
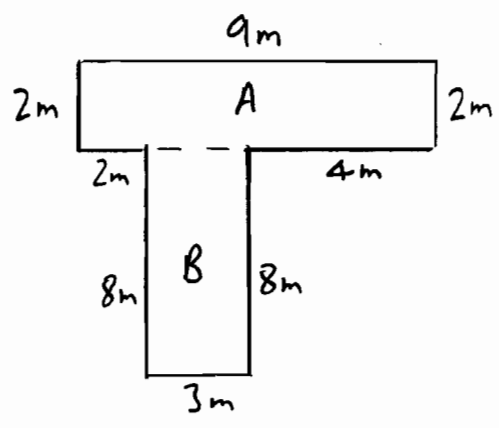$$D = 7 \times 2 = \underline{14} +$$

$$38 \text{ m}^2$$

Area

Large rectangle = $10 \times 7 = 70$
Small rectangle = $8 \times 4 = 32 -$

L-shape $\overline{38 \text{ m}^2}$

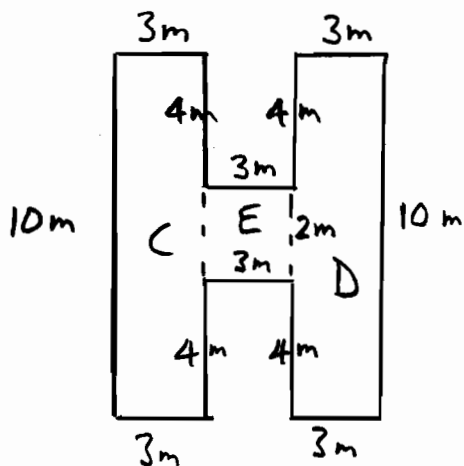Perimeter = $9 + 2 + 4 + 8 + 3 + 8 + 2 + 2$

= 38 m

Area $A = 9 \times 2 = 18$
$B = 8 \times 3 = \underline{24} +$

Total Area = 42 m^2

PERIMETER AND AREA OF COMPOUND SHAPES   <u>TRANSCRIPT</u>

3m   3m

4m   4m
   3m
10m   C : E 2m   10 m
          3m
   4m   4m

3m   3m

Perimeter = $3 + 4 + 3 + 4 + 3 + 10$

$+ 3 + 4 + 3 + 4 + 3 + 10$

$= 54\,m$

Area

$C = 10 \times 3 = 30$
$D = 10 \times 3 = 30$
$E = 3 \times 2 = \underline{6} +$

Total Area $= 66\,m^2$