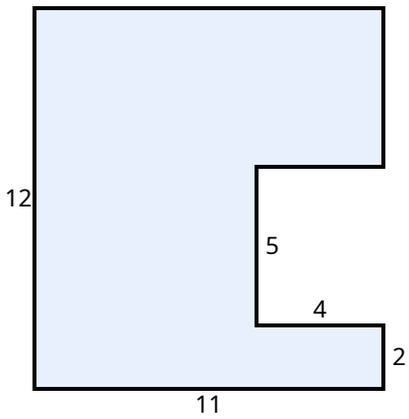
Deconstructing Shapes - set samples - paper 1

Find the area and perimeter of each compound shape. Diagrams are not to scale

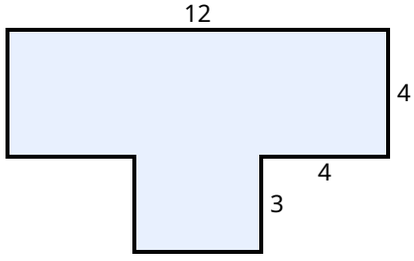
1.



Area _____

Perimeter _____

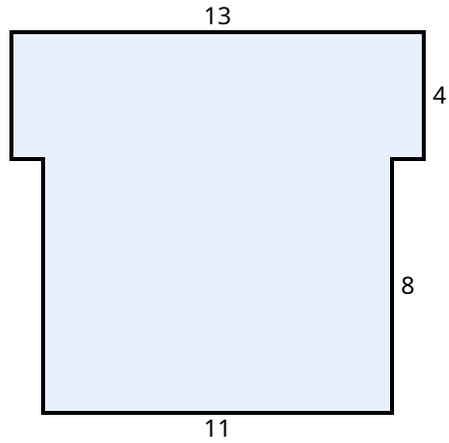
2.



Area _____

Perimeter _____

3.



Area _____

Perimeter _____

Deconstructing Shapes - set samples - Answers

1. C-shape
   Bounding box = 11 × 12 = 132
   Notch cutout = 4 × 5 = 20
   Total Area = 132 - 20 = 112

   Perimeter = 11 + 5 + 4 + 5 + 4 + 2 + 11 + 12 = 54

   Area: 112 units²

   Perimeter: 54 units

2. T-shape
   Split into Rectangle A (top bar) and Rectangle B (stem).
   Rectangle A = 12 × 4 = 48
   Rectangle B = 4 × 3 = 12
   Total Area = 48 + 12 = 60

   Perimeter = 12 + 4 + 4 + 3 + 4 + 3 + 4 + 4 = 38

   Area: 60 units²

   Perimeter: 38 units

3. T-shape
   Split into Rectangle A (top bar) and Rectangle B (stem).
   Rectangle A = 13 × 4 = 52
   Rectangle B = 11 × 8 = 88
   Total Area = 52 + 88 = 140

   Perimeter = 13 + 4 + 1 + 8 + 11 + 8 + 1 + 4 = 50

   Area: 140 units²

   Perimeter: 50 units