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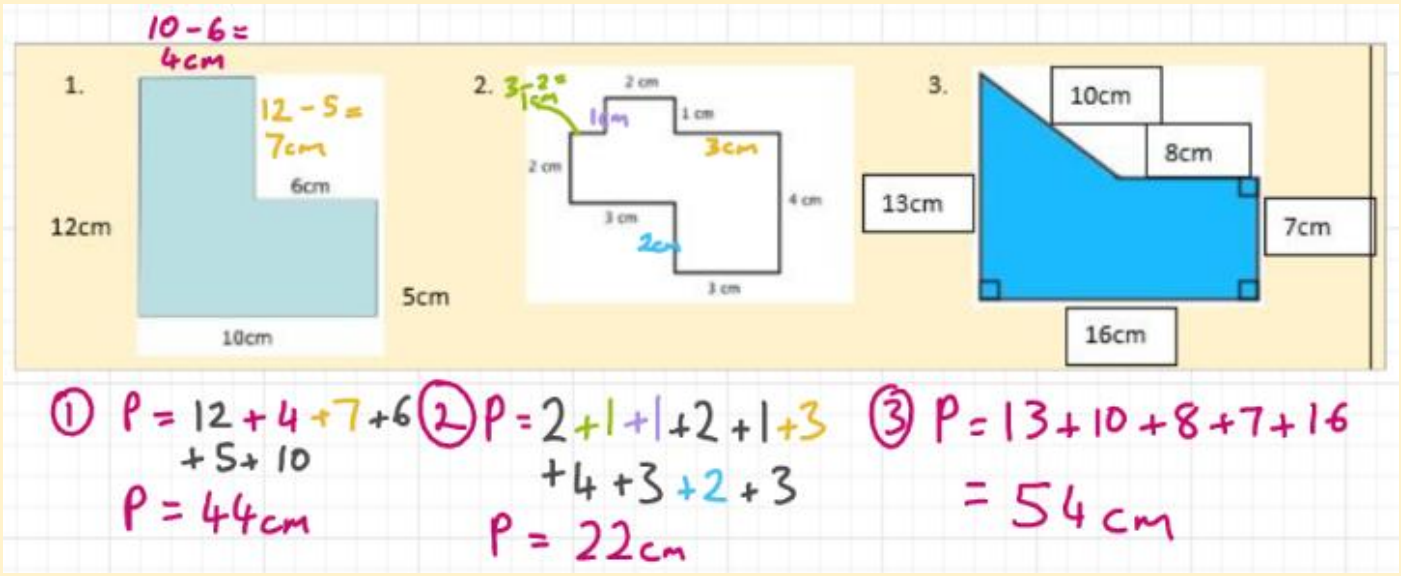
Grade 8

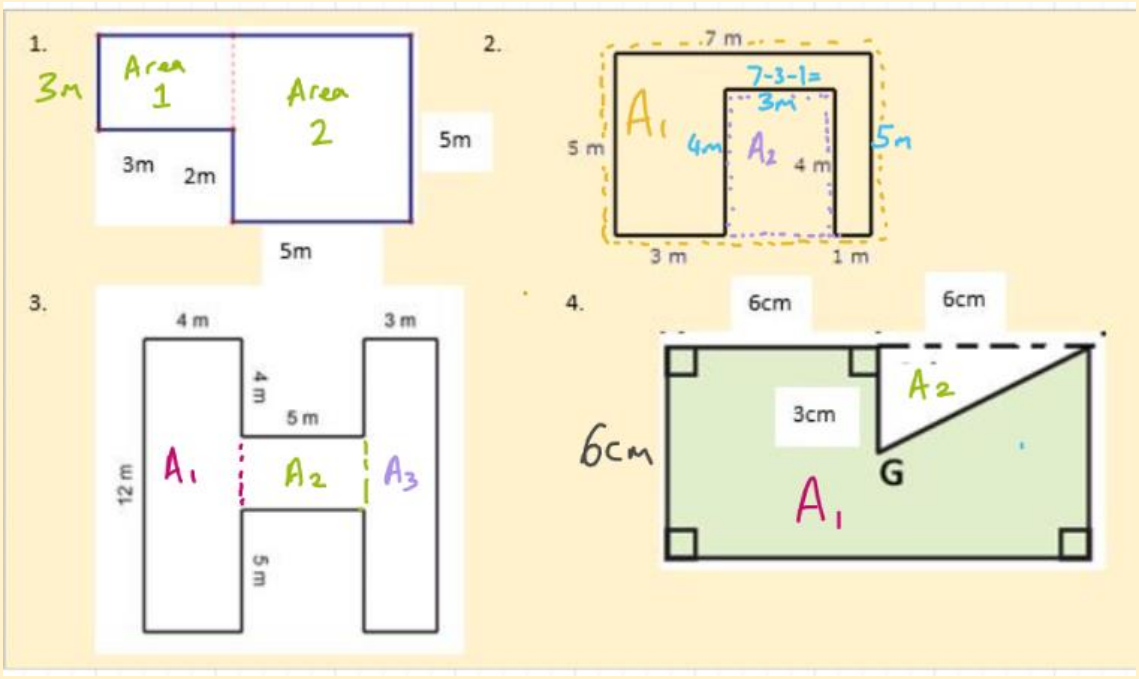
Mathematics

Area and Perimeter

Question 1: Find the perimeter of each of the following shapes



Question 2: Find the area of the following shapes



② Area 1 = L x B
= 7 x 5
= 35 m²

Area 2 = L x B
= 4 x 3
= 12 m²

Total Area = $A_1 - A_2$
= 35 − 12
= 23 m²

① Area 1 = s^2 (although it doesn't look like a square, measurements say it is one!)
= 3^2
= 9 m²

Area 2 = s^2
= 5^2
= 25 m²

Total Area = $A_1 + A_2$
= 9 + 25
= 34 m²

③ A_1 = L x B
= 12 x 4
= 48 m²

A_2 = L x B
= 5 x 3
= 15 m²

A_3 = L x B
= 12 x 3
= 36 m²

$A_{Total} = A_1 + A_2 + A_3$
= 48 + 15 + 36
= 99 m²

④ A_1 = L x B
= 12 x 6
= 72 cm²

$A_2 = \frac{1}{2}$ b x h
= $\frac{1}{2}$ 6 x 3
= 9 cm²

$A_T = A_1 - A_2$
= 72 − 9
= 63 cm²