

Discussion Problems

Step 2: Perimeter on a Grid

National Curriculum Objectives:

Mathematics Year 4: (4M7a) [Measure and calculate the perimeter of a rectilinear figure \(including squares\) in centimetres and metres](#)

About this resource:

This resource has been designed for pupils who understand the concepts within [this step](#). It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More [Year 4 Length and Perimeter](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

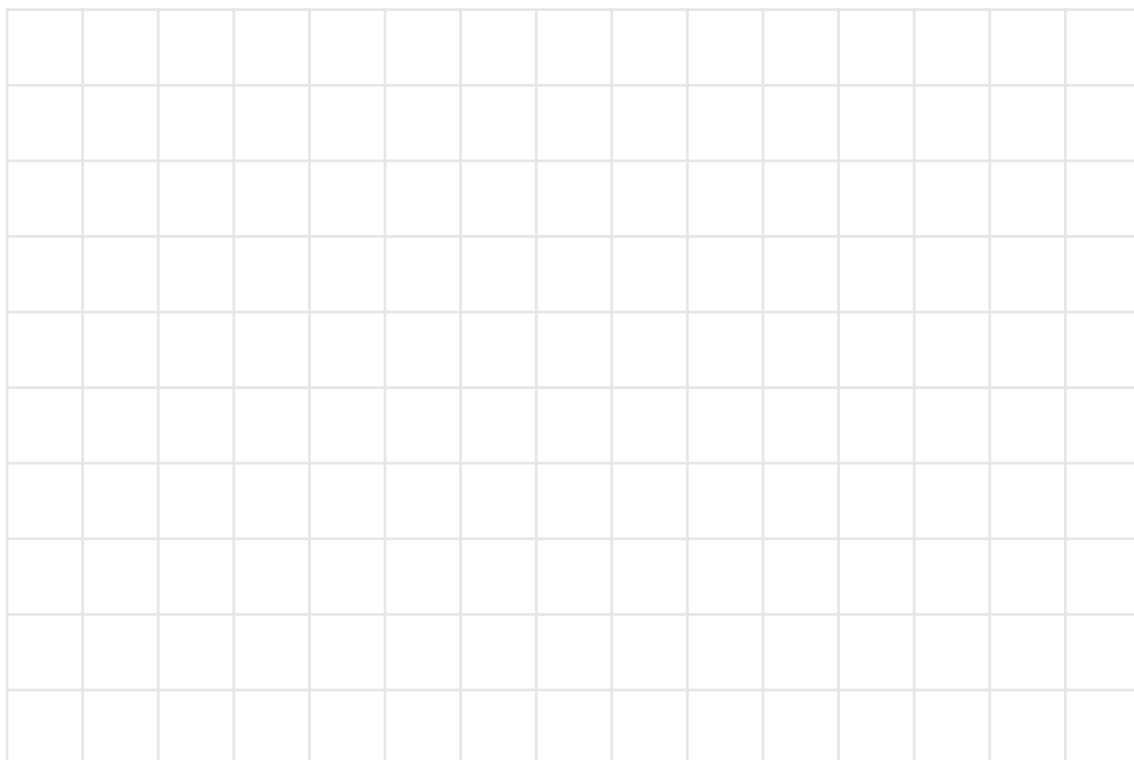
Perimeter on a Grid

1. Mrs Murphy has bought a plot of land. She wants to build three different rectilinear buildings on it. Explore the different perimeters for each of the buildings on this plan that make a combined total of 82cm.



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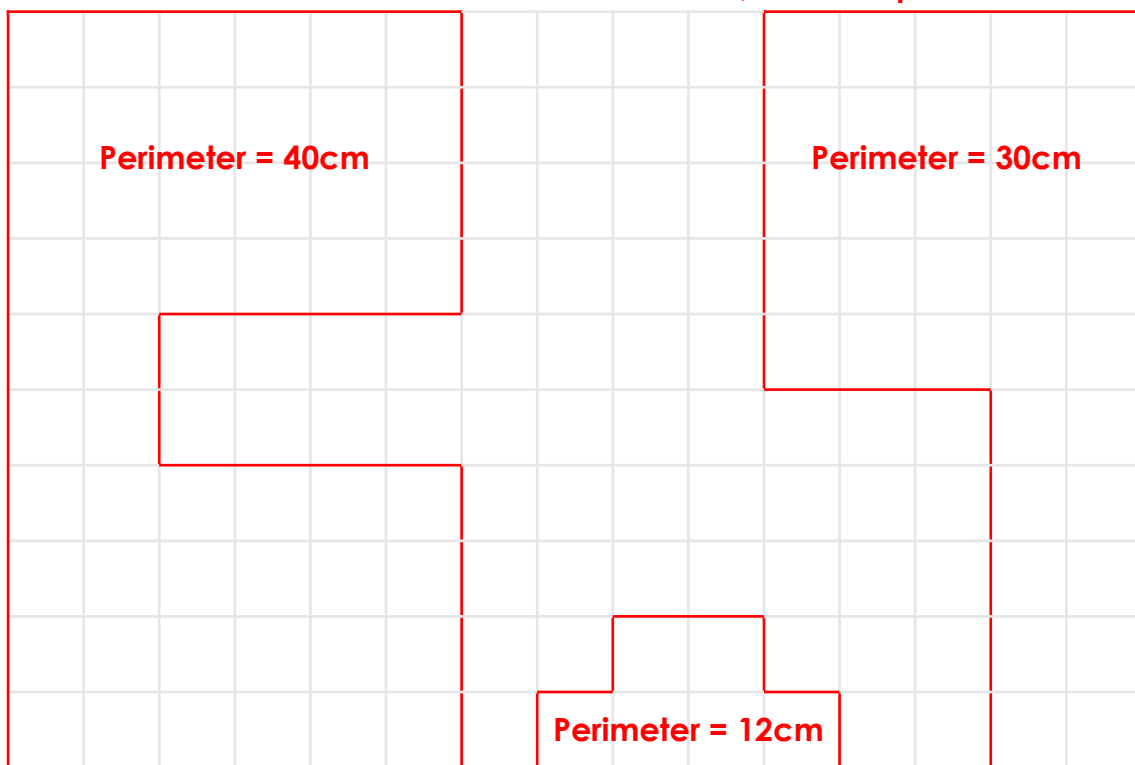
2. Explore different rectilinear shapes you could draw on the grid below with a perimeter of 48cm, where each side is a multiple of 3.



DP

Perimeter on a Grid

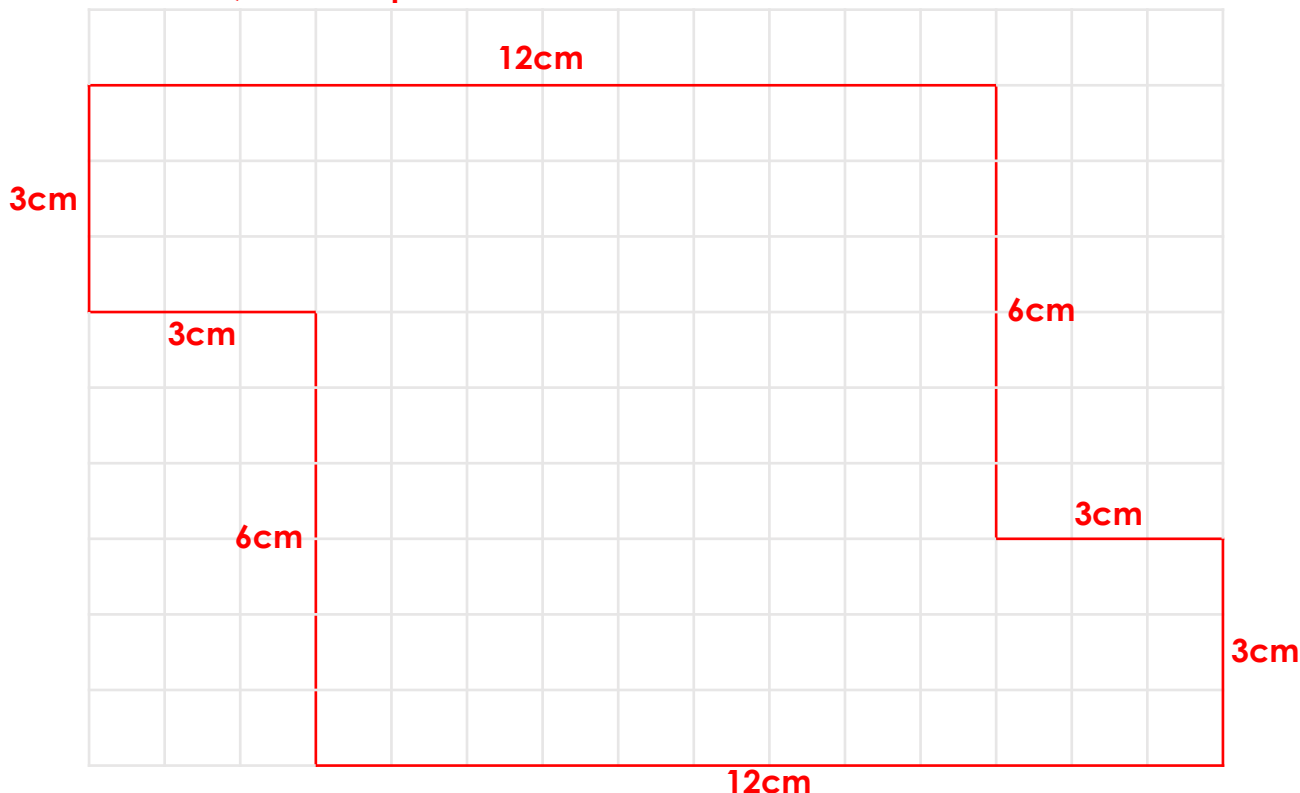
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DP

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