

Perimeter

Big Idea (5): Closed shapes have area and perimeter that can be described, measured, and compared.

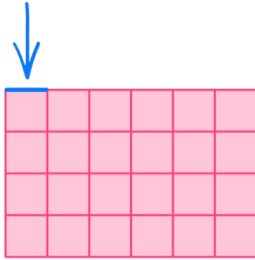
Big Idea (6): Properties of objects and shapes can be described, measured, and compared using volume, area, perimeter, and angles.

Content (5): relationships between area and perimeter

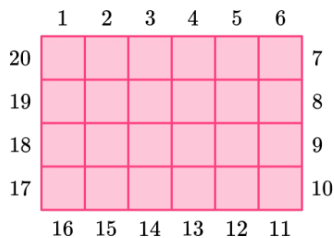
Content (6): perimeter of complex shapes

Perimeter is the distance around an object.

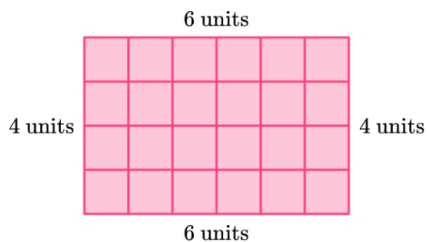
Perimeter is measured in units. Each side of the square is one unit.



The perimeter of the rectangle is found by counting the units on each side of the rectangle. You can do this by starting at a vertex and counting each unit around the shape until you arrive back at the vertex.

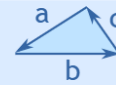


Notice the perimeter can also be found by adding the length of each side.



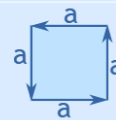
$6 + 4 + 6 + 4 = 20$, so the perimeter is 20 units.

Perimeter Formulas



Triangle

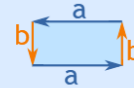
$$\text{Perimeter} = a + b + c$$



Square

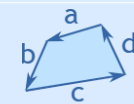
$$\text{Perimeter} = 4 \times a$$

a = length of side



Rectangle

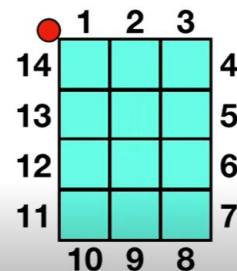
$$\text{Perimeter} = 2 \times (a + b)$$



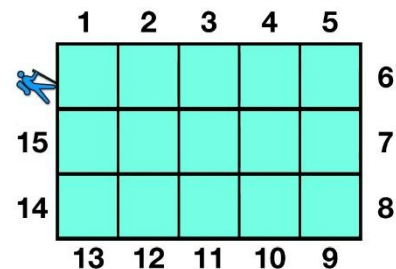
Quadrilateral

$$\text{Perimeter} = a + b + c + d$$

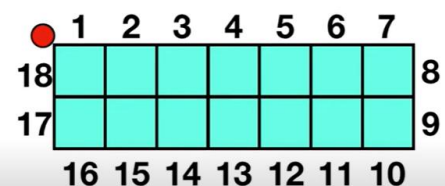
What is the perimeter of this figure (in inches)?



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Colour in 6 objects, and then calculate the perimeter for each object:

