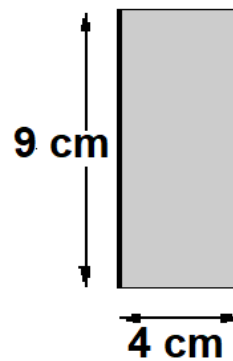


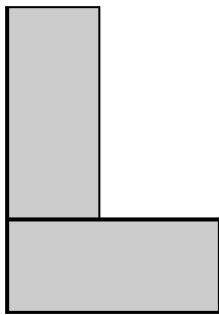
Problem Solving: Perimeter

[1] L-Shape

Gonk has two rectangular cards like the one to the right.



Gonk puts the two rectangular cards together so they look like this:



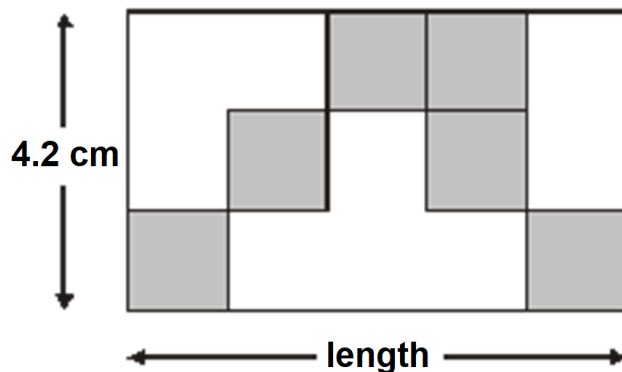
Give the perimeter of this newly-created "L"-shape.

[2] Six Squares & One Rectangle

To the right is a rectangle with six identical shaded squares inside it.

The width of the rectangle is 4.2 centimetres.

Calculate the length of the rectangle.

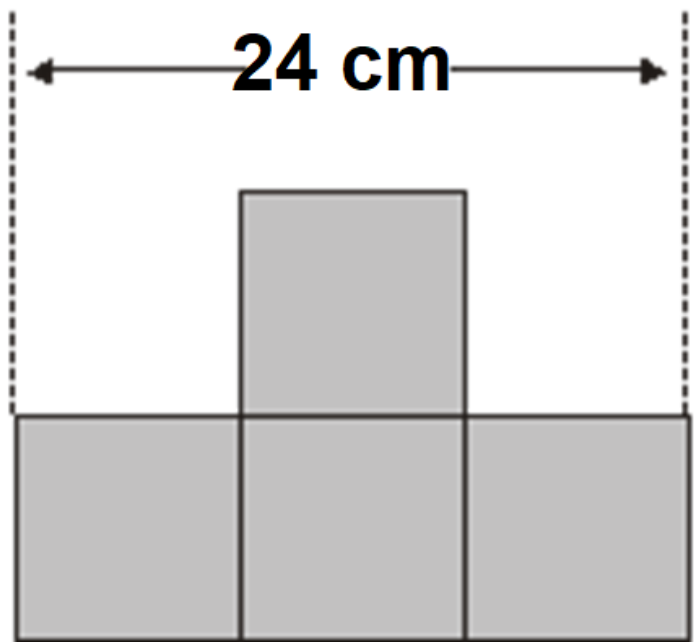


[3] 4-Block Perimeter

Trent has made the shaded shape to the right.

His shape is made from 4 shaded squares.

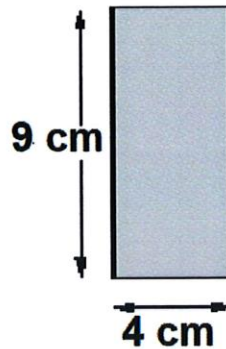
Calculate the perimeter of the shape.



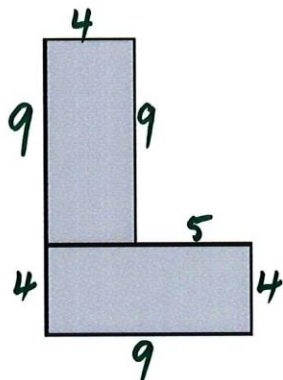
SOLUTIONS

[1] L-Shape

Gonk has two rectangular cards like the one to the right.



Gonk puts the two rectangular cards together so they look like this:



$$\begin{array}{r}
 27 \quad (3 \times 9) \\
 12 \quad (3 \times 4) \\
 + 5 \quad (1 \times 5) \\
 \hline
 \boxed{44 \text{ cm}}
 \end{array}$$

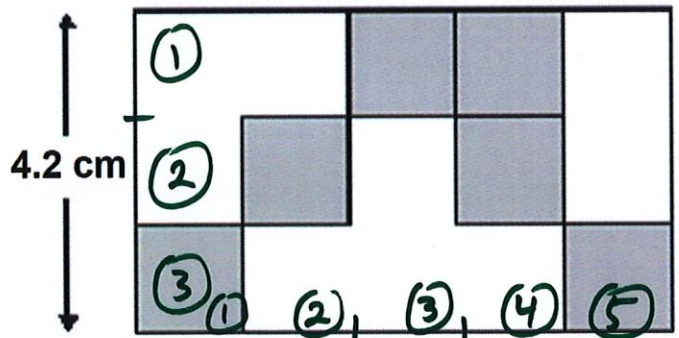
Give the perimeter of this newly-created "L"-shape.

[2] Six Squares & One Rectangle

To the right is a rectangle with six identical shaded squares inside it.

The width of the rectangle is 4.2 centimetres.

Calculate the length of the rectangle.



$$\begin{array}{r}
 1.4 \\
 3 \overline{) 4.2} \\
 \underline{3} \\
 12 \\
 \underline{12} \\
 0
 \end{array}$$

so side of 1 square = 1.4 cm

Length = 5 squares.

$$\begin{array}{r}
 2 \\
 14 \\
 \times 5 \\
 \hline
 70
 \end{array}
 = \boxed{7 \text{ cm}}$$

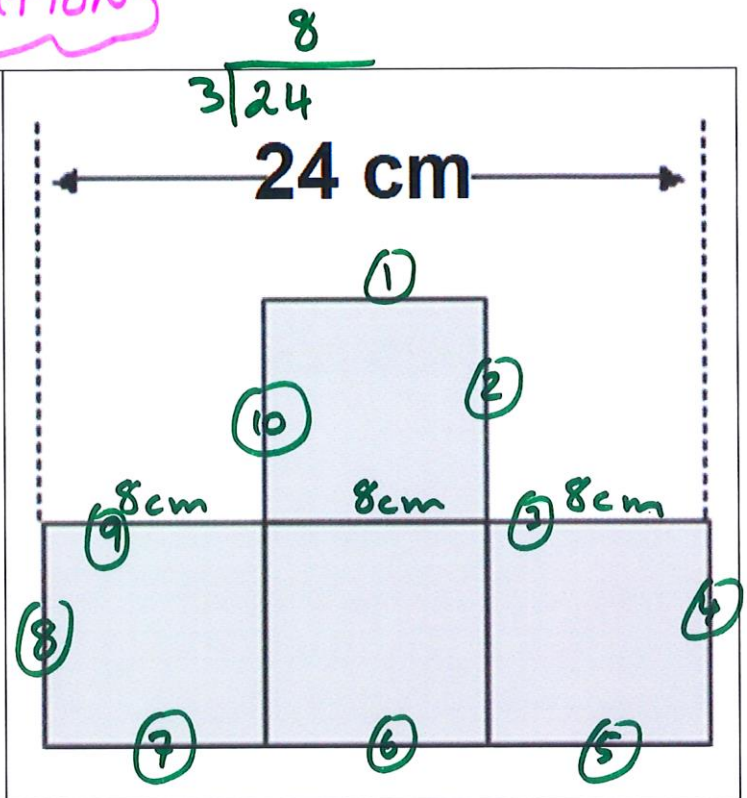
SOLUTION

[3] 4-Block Perimeter

Trent has made the shaded shape to the right.

His shape is made from 4 shaded squares.

Calculate the perimeter of the shape.



Each side = 8cm
There are 10 sides.

Therefore:

$$\begin{array}{r} 10 \\ \times 8 \\ \hline 80 \text{ cm} \end{array}$$