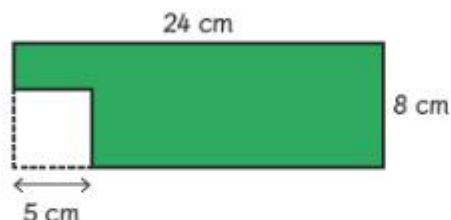


Calculating Perimeter

Lesson 10

In Focus

A rectangular piece of paper had a length of 24 cm and a width of 8 cm. A square with 5 cm sides was cut out from the piece of paper.



What was the perimeter of the remaining piece of paper?

Let's Learn

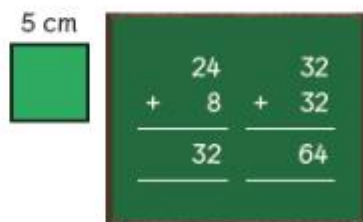
1 Amira did it this way.

Perimeter of the rectangle
 $= 24 \text{ cm} + 8 \text{ cm} + 24 \text{ cm} + 8 \text{ cm}$
 $= 64 \text{ cm}$

Perimeter of square
 $= 5 \text{ cm} + 5 \text{ cm} + 5 \text{ cm} + 5 \text{ cm}$
 $= 20 \text{ cm}$

Perimeter of remaining piece
 $= 64 \text{ cm} - 20 \text{ cm}$
 $= 44 \text{ cm}$

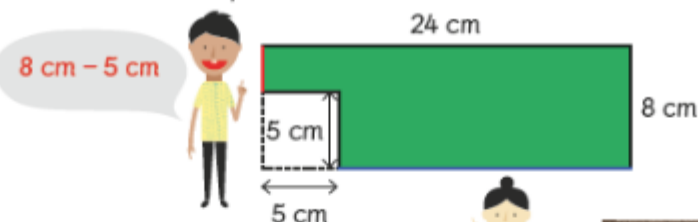
Amira is wrong.
 Show the correct way to do it.



$$4 \times 5 = 20$$

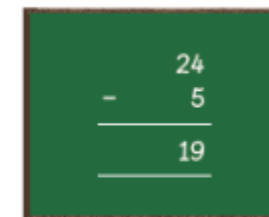


2 Charles did it this way.



Perimeter of remaining piece
 $= 24 \text{ cm} + 8 \text{ cm} + 3 \text{ cm} + 5 \text{ cm} + 5 \text{ cm} + 19 \text{ cm}$
 $= 64 \text{ cm}$

The perimeter of the remaining piece is 64 cm.



Guided Practice

Find the perimeter of the remaining piece when 2 cm squares

