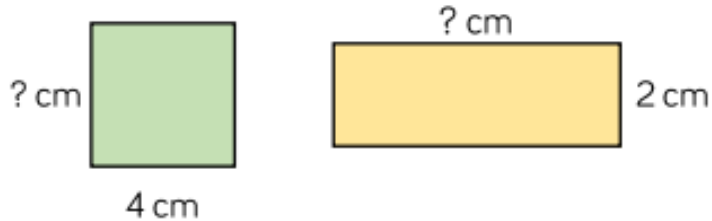


Each of the shapes have a perimeter of 16 cm.

Calculate the lengths of the missing sides.



## Always, Sometimes, Never

When all the sides of a rectangle are odd numbers, the perimeter is even.

Prove it.

Here is a square. Each of the sides is a whole number of metres.



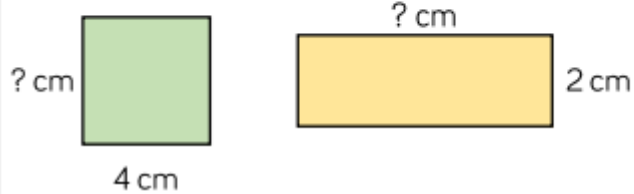
Which of these lengths could be the perimeter of the shape?

24 m, 34 m, 44 m, 54 m, 64 m, 74 m

Why could the other values not be the perimeter?

Each of the shapes have a perimeter of 16 cm.

Calculate the lengths of the missing sides.



4 cm

6 cm

### Always, Sometimes, Never

When all the sides of a rectangle are odd numbers, the perimeter is even.

Prove it.

Always because when adding an odd and an odd they always equal an even number.

Here is a square. Each of the sides is a whole number of metres.



Which of these lengths could be the perimeter of the shape?

24 m, 34 m, 44 m, 54 m, 64 m, 74 m

Why could the other values not be the perimeter?

24 cm

Sides = 6 cm

44 cm

Sides = 11 cm

64 cm

Sides = 16 cm

They are not divisible by 4