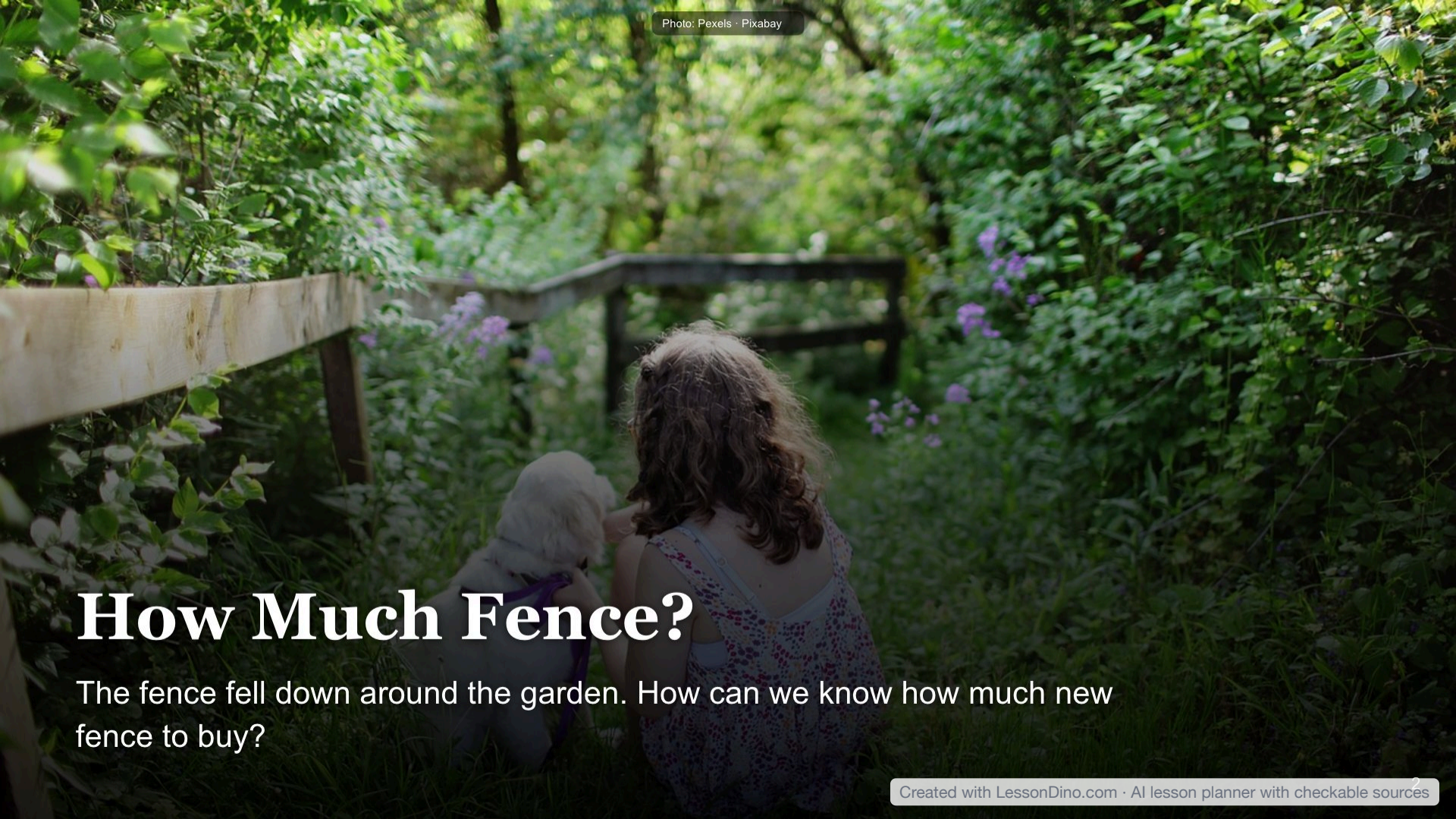
Perimeter: Around We Go!

Add sides, solve puzzles, build rectangles

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How Much Fence?

The fence fell down around the garden. How can we know how much new fence to buy?

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DID YOU KNOW?

'Perimeter' means measure around.

'Peri' means around and 'metron' means measure in old Greek words.



Illustration: flutie8211 · Pixabay

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Find the Perimeter

1. Perimeter is distance around a shape.
2. Add every side length together.
3. Polygon is a closed shape with straight sides.
4. Give units, like inches or feet.

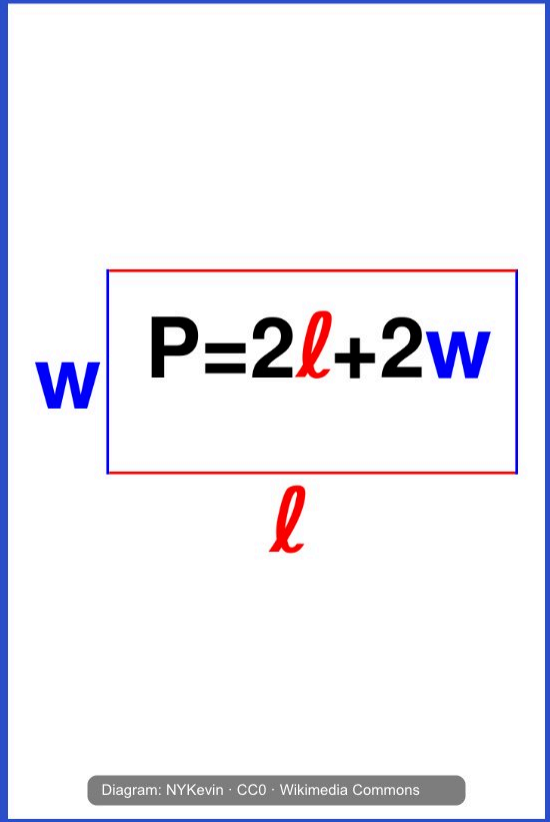


Diagram: NYKevin · CC0 · Wikimedia Commons

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Think, pair, share

A triangle is 3 in, 4 in, 5 in. What is its perimeter? How do you know?



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Watch: What Is Perimeter?



▶ 0:00 – 3:53

- Spot the start point going around
- Listen for how sides add up

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Same Area, Different Fence!

Rug A: 4 ft by 3 ft

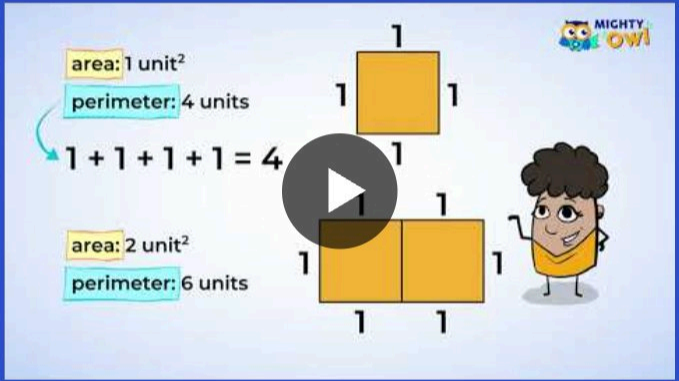
- Area is 12 square feet
- Perimeter is 14 feet

Rug B: 6 ft by 2 ft

- Area is 12 square feet
- Perimeter is 16 feet

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Watch: Area vs. Perimeter



▶ 0:00 – 5:00

- See inside space versus outside edge
- Watch same fence fit new shapes

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Your task

Find a missing side, then build two rectangles with area 12.

1. Find missing side: 20 ft fence, sides 6, 4, 6 ft.
2. Draw 2 rectangles with 12 squares on grid.
3. Add sides to find each perimeter and compare.

15 min

In pairs

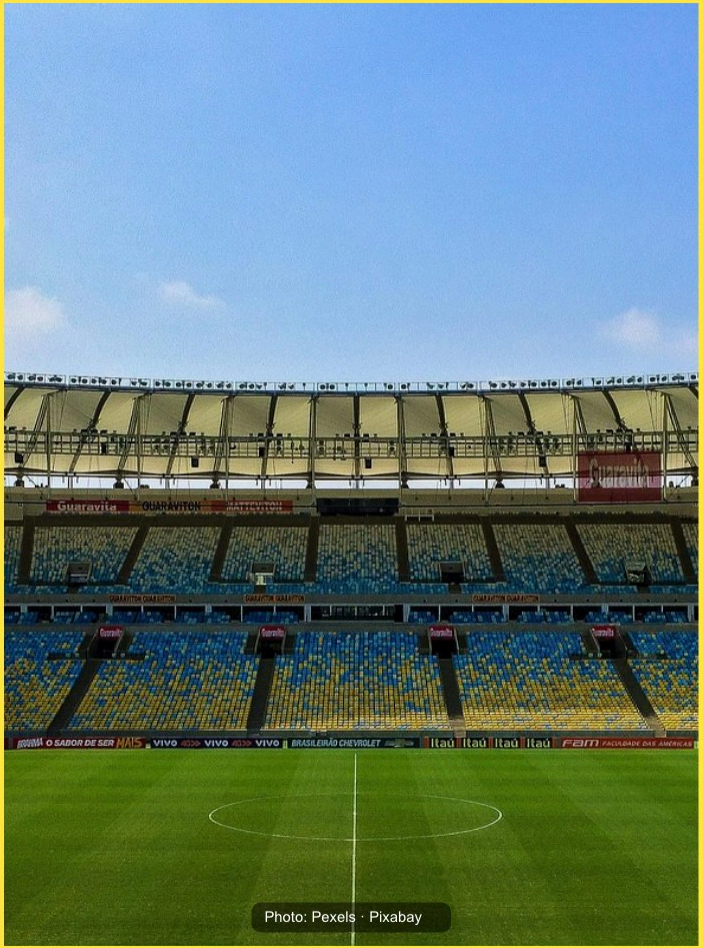
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BIG FIELD, BIG WALK

1040 ft

around a football field

Add 360 + 160 + 360 + 160 to walk all the way around.



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Pick a Garden

Same 16 ft fence: which garden would you plant?

A Long skinny: 7 ft by 1 ft

B Even box: 4 ft by 4 ft

Vote with your hands, then explain why.

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True or false?

Perimeter means distance around a shape.

Find a missing side by subtracting known sides from perimeter.

Same area must mean same perimeter.

Perimeter is measured in square units.

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