AREA VS. PERIMETER

OBJECTIVE:

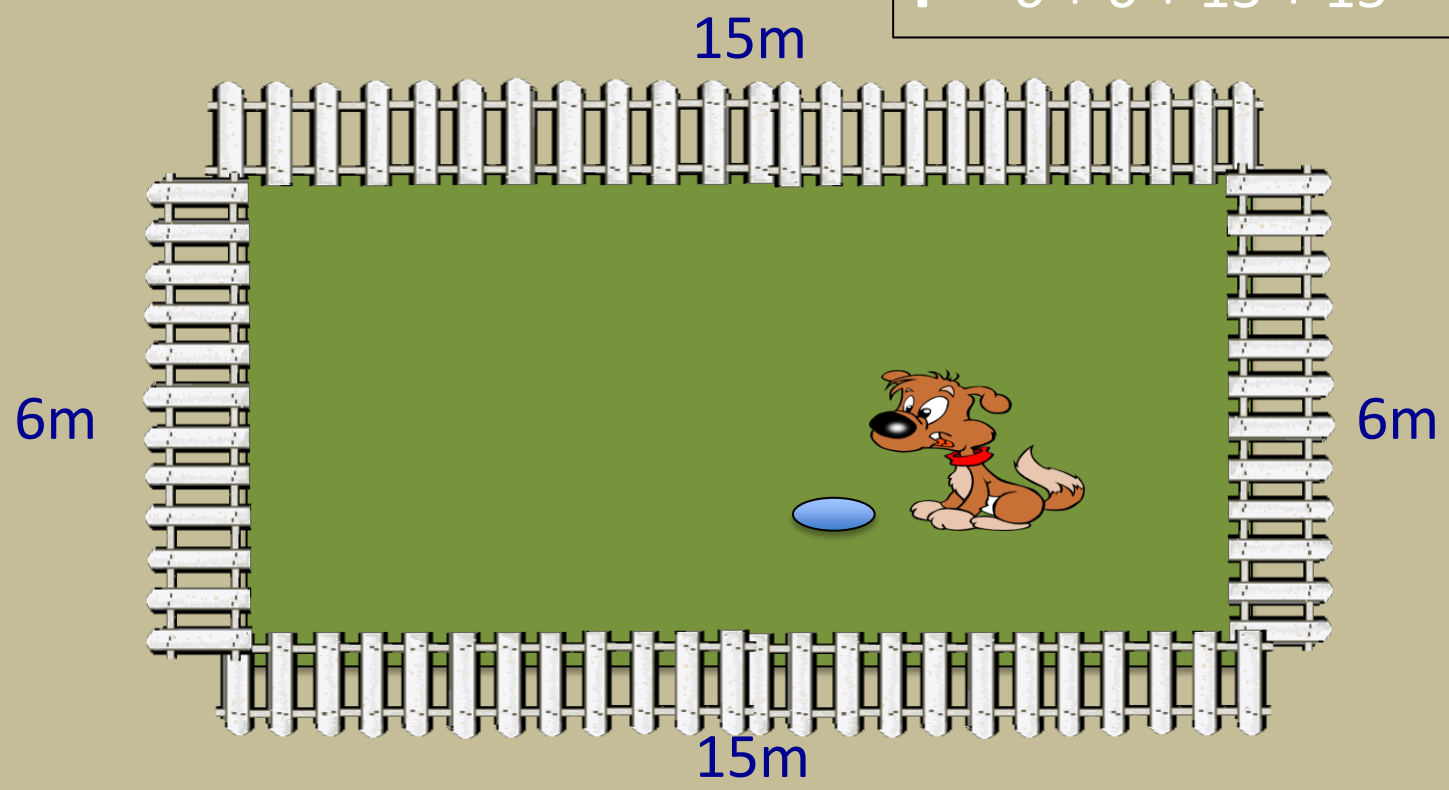
Today we will learn how to calculate the Area & Perimeter of different size quadrilaterals!

COOL!

PERIMETER

- Is the distance around a figure, the "OUTSIDE"
- + ADD + (Find the sum of all the sides)
- Imagine a backyard, the Perimeter is the fence that shapes the backyard

P = 6 + 6 + 15 + 15 = 42m

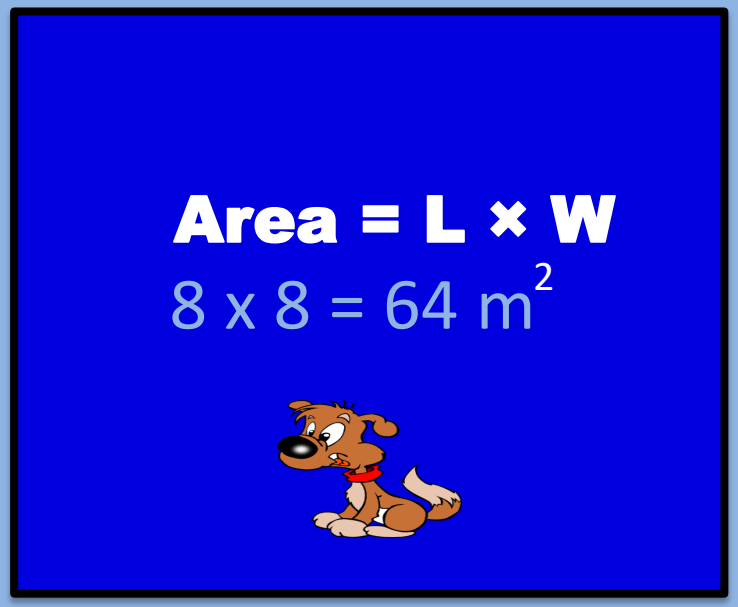


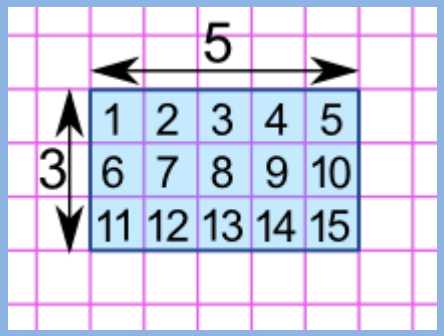
AREA

- Is the amount of space (square units) found "INSIDE" the boundary of a 2D shape
- Measured in "Square Units" (cm^2 , m^2 ,km^2)
- To find the area of a Rectangle or Square we multiply the length by the width of the shape

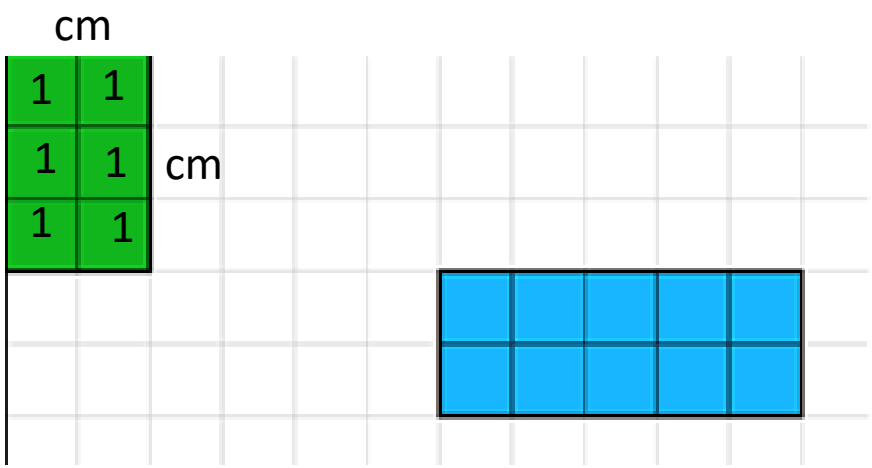
8 m

8m





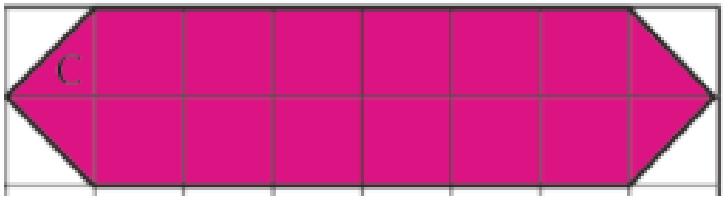
Finding the Area of a Shape on Squared Paper:



Sometimes you might be asked to find the area of a coloured shape on squared paper- each square is 1 square unit.

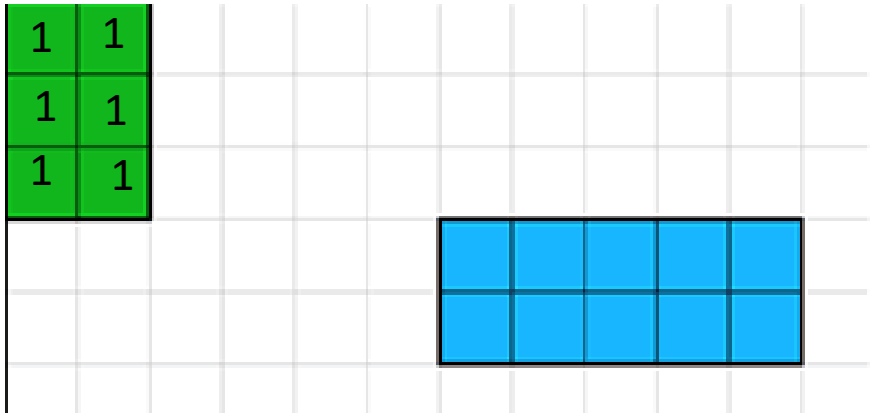
All you have to do is add all the square units (squares) together.

Look at the green shape;
It's Area=1+ 1 + 1+ 1+ 1+ 1= 6cm^2 or LxW=> 2x3=6cm^2
Can you find the area of the blue shape both ways? Adding squares & LxW?



<u>Challenge:</u> Find the area of the pink shape!

Finding the Area of a Shape on Squared Paper:



Blue Shape=

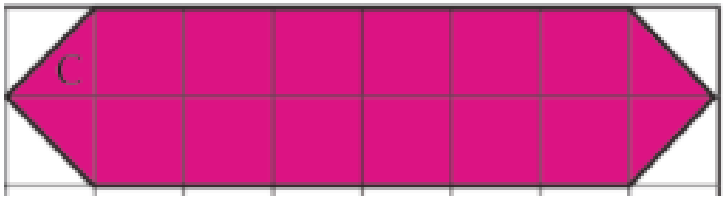
1) 1+1+1+1+1+1+1+1+1+1=10cm^2

2) 5x2=10cm^2

<u>Challenge:</u> Pink shape=

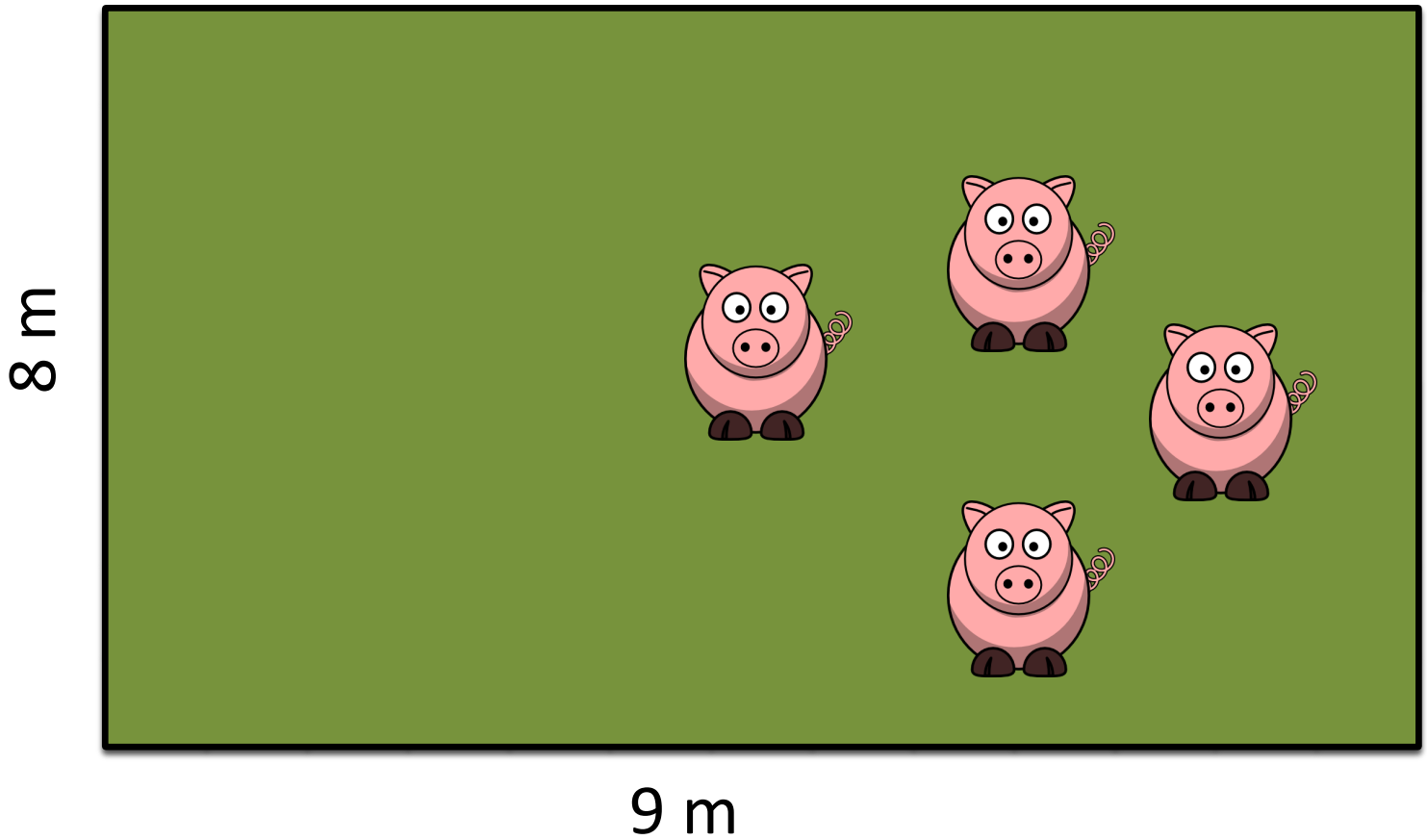
1) 1+1+1+1+1+1+1+1+1+1+1+1+1/2+1/2+1/2+1/2=14cm^2

2) 6x2=12+(1/2+1/2+1/2+1/2)= 14cm^2



Area:

Farmer Hackett wants to make a rectangular pig pen for his pigs. He wants to make it 8 m Long by 9 m Wide. What would be the <u>Area</u> of Farmer Hackett's pig pen?



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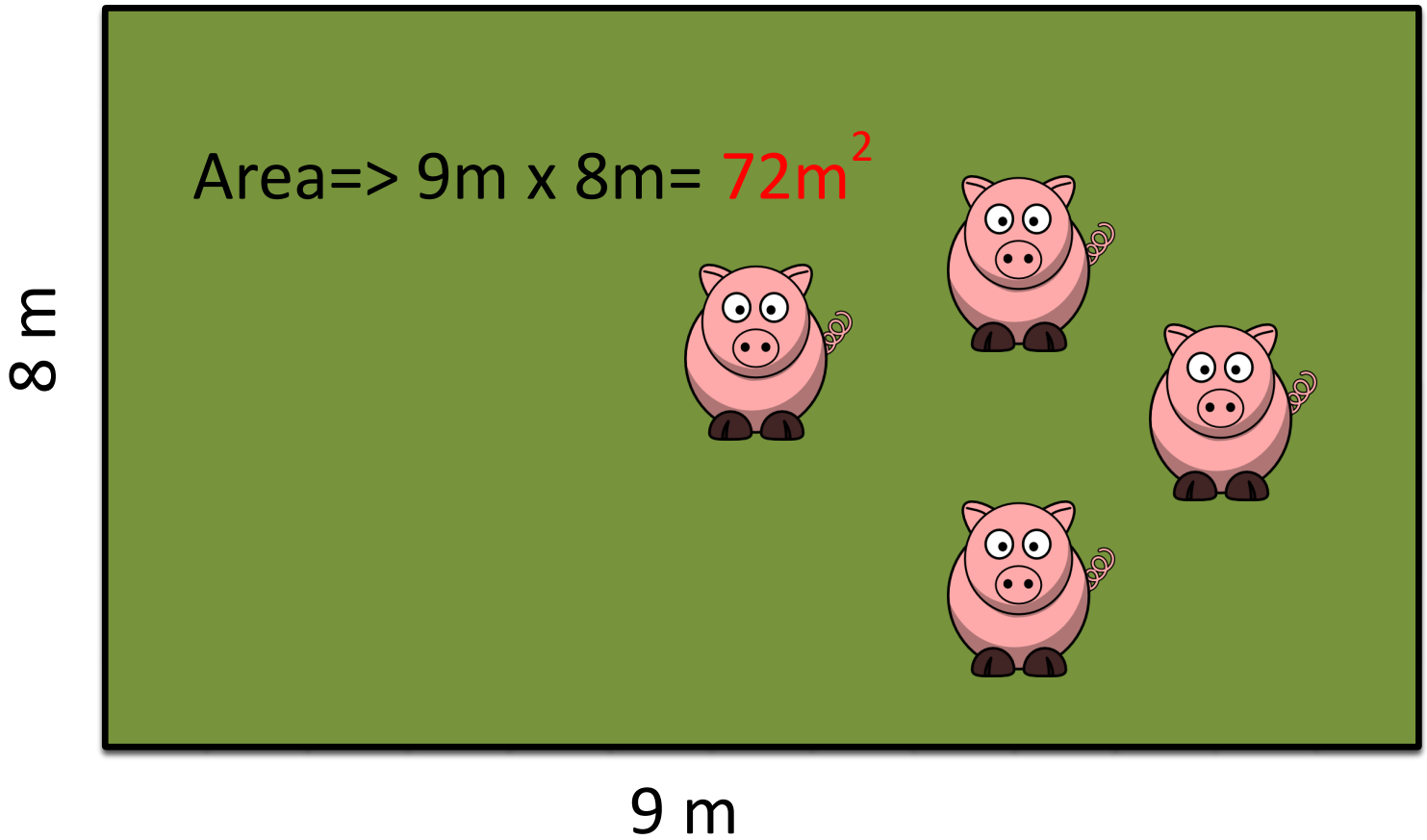
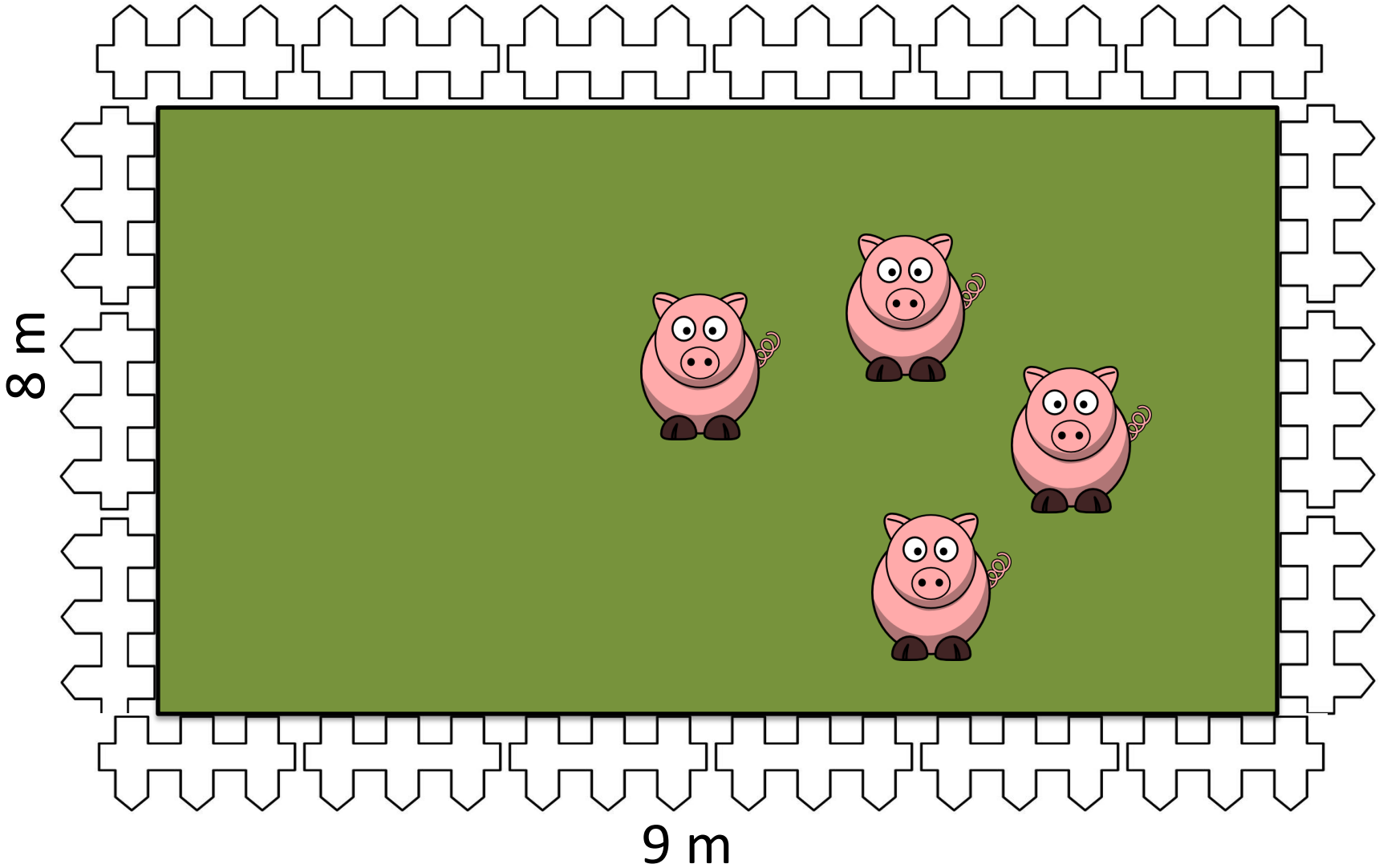


Perimeter:

Farmer Hackett is fencing in his pig pen. The dimensions are 8 m long and 9 m wide. What is the <u>Perimeter</u> of his pig pen?



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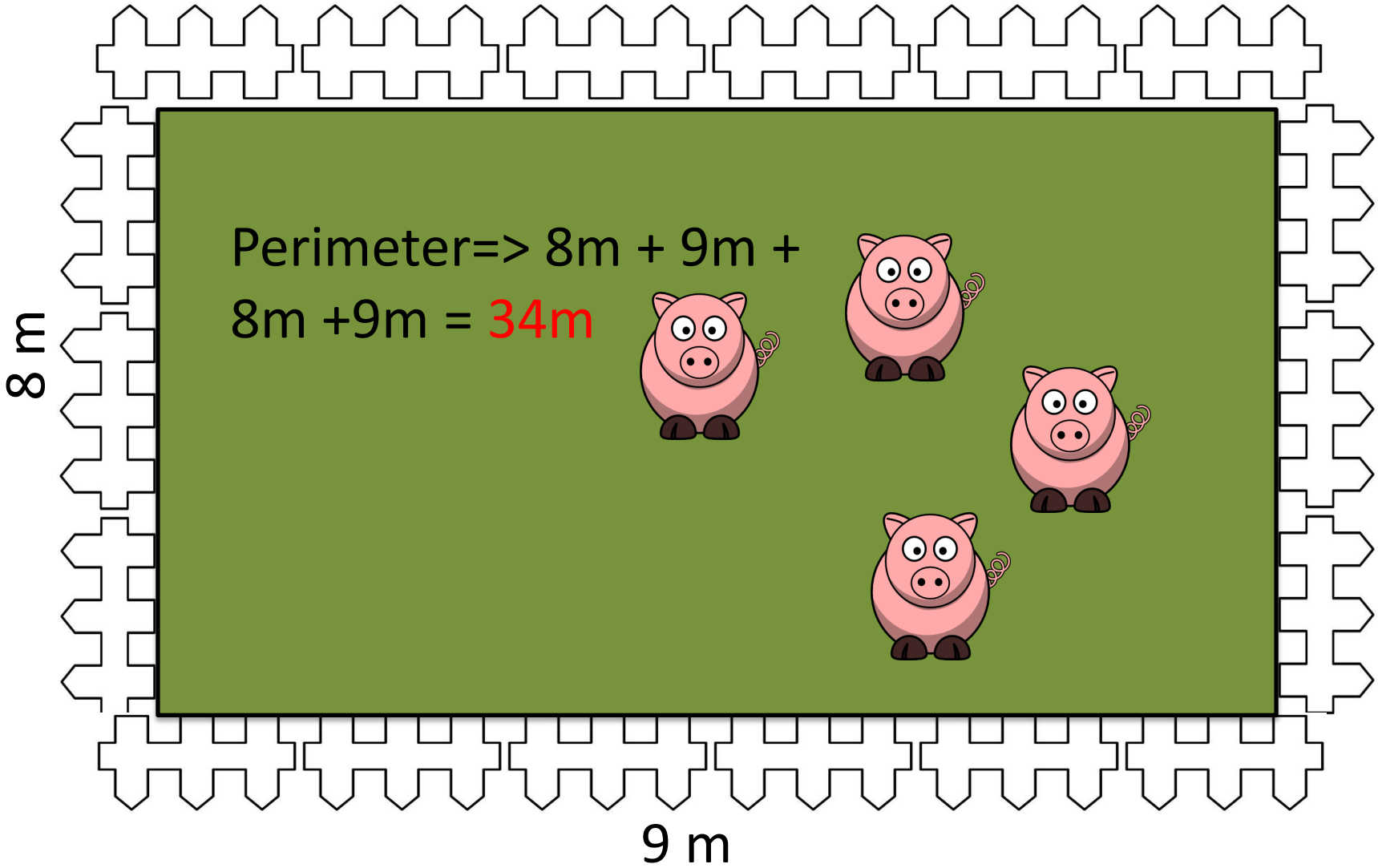
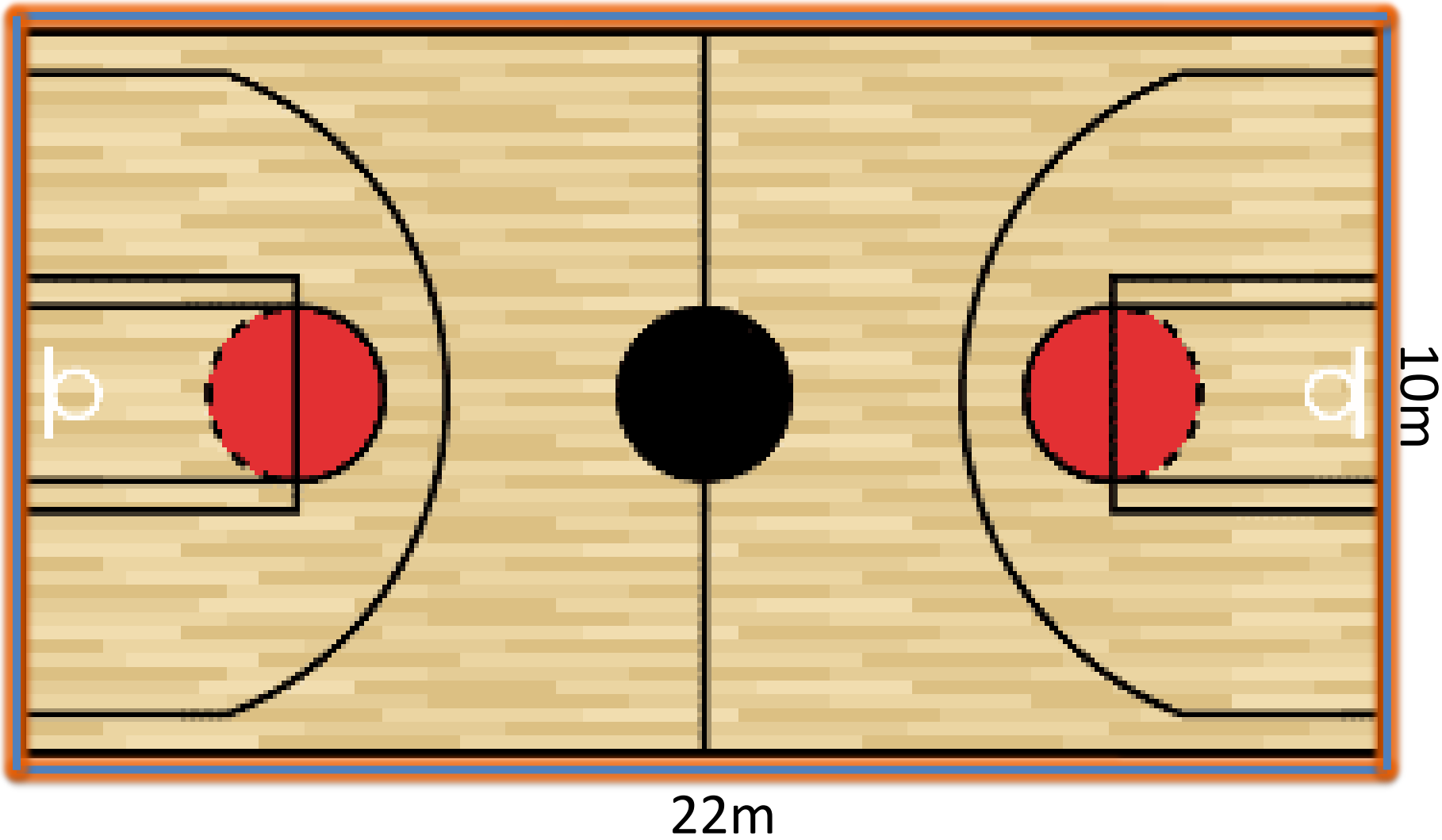


More Practice: Find the Perimeter & Area of a Basketball Court



More Practice: Find the Perimeter & Area of a Basketball Court