

Name

Date



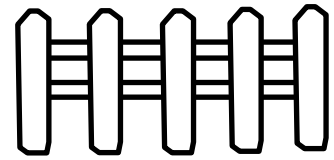
AREA & PERIMETER OF RECTANGLES CHALLENGE 2

Captain Salamander has 12m of fencing that he wants to make into a rectangular pen to put in his garden to keep the predators out.

He wants to enclose the **biggest** area possible.

Draw 3 different pens that he could make.

Which pen has the biggest area?



What if Captain Salamander had 20m of fencing instead of 12m?



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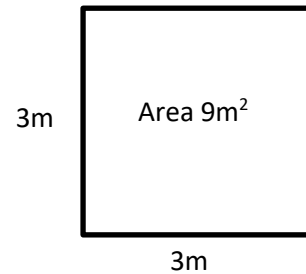
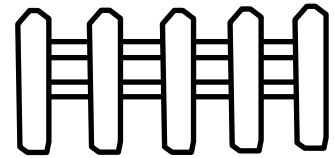
AREA & PERIMETER OF RECTANGLES CHALLENGE 2 ANSWERS

Captain Salamander has 12m of fencing that he wants to make into a rectangular pen to put in his garden to keep the predators out.

He wants to enclose the **biggest** area possible.

Draw 3 different pens that he could make.

Which pen has the biggest area?



Answer: the 3m by 3m square pen has the biggest area which is 9m^2 .

What if Captain Salamander had 20m of fencing instead of 12m?

If he had 20m of fencing, then the largest area pen he could fence off would be a 5m by 5m square, which would give an area of 25m^2 .