



Problem of the Week

Problem B

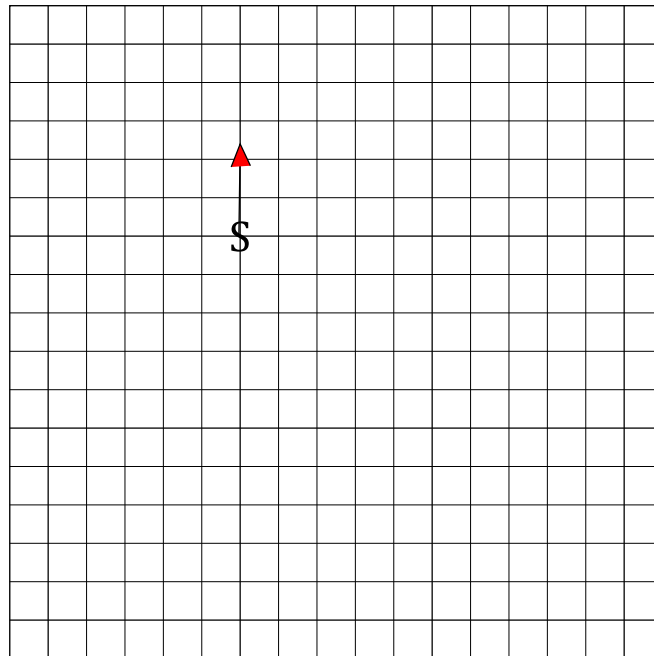
Crossing Paths

Red and Justin are planning a countryside ride on their ATV. They will follow this pattern:

- drive five kilometres and turn right;
- drive five kilometres and turn right;
- drive five kilometres and turn left;
- keep repeating these three steps until they return to their starting point.



- a) On the grid below, the side of each square is one kilometre. Map out the boys' route, starting from the point **S** in the direction shown. Then determine how far they will have travelled when they get back to **S**.
- b) What is the name of the shape enclosed by their route?
- c) What is the area of this shape?



STRANDS MEASUREMENT, GEOMETRY AND SPATIAL SENSE

