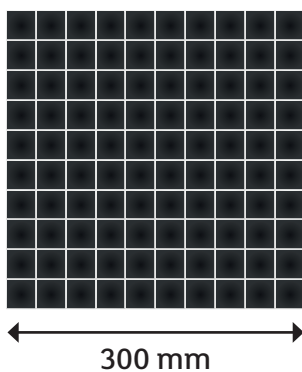


Tiling a Splashback 1

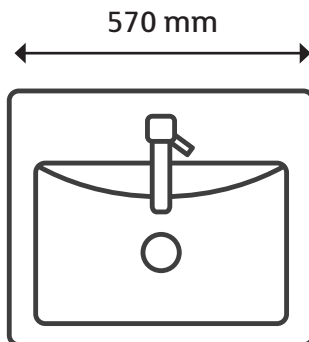
Problem

Serena wishes to put a **splashback above a sink** in her bathroom.

For the splashback, she wants to use a **square black mosaic tile** with measurements as follows:



The width of the sink is shown in the diagram below.



As Serena is tiling it herself, she doesn't want to cut the tiles. She is happy with up to 50 mm of the tiling *extending* over either side of the sink.

She only wants to have **one row of tiles above the sink**. The **tiles** are on special offer, priced at **£4.95 each**.



What is the total cost of the required tiles?

