

# Tiling a Splashback 2

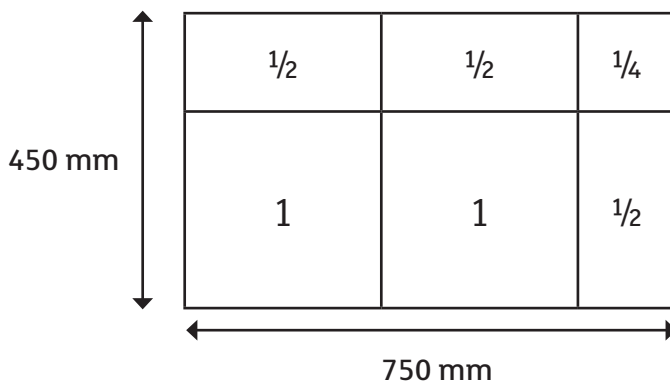
## Solution

First pupils need to work out how many tiles are needed to go across the width of the sink for the splashback.

They then work out how many tiles high the splashback needs to be.

They should identify the tiles needed for each splashback as follows:

- **width,  $2\frac{1}{2}$  tiles**
- **height,  $1\frac{1}{2}$  tiles**



They total the number of tiles to get  **$3\frac{3}{4}$  tiles** and conclude that they require **4 whole tiles for one splashback**.

**For the two splashbacks, they will require 8 whole tiles.**

They calculate the cost of the tiles as

$$\text{£}14.00 \times 8 = \text{£}112.00$$

or as

$$\text{£}14.00 \times 4 \times 2 = \text{£}122.00$$

**The total cost of the tiles needed is £122.00**

