

Building decking - answers

The area of a rectangle = length \times width.

You want to build a patio area 4 m long and 3 m wide for your garden, using decking.

At your local DIY store they sell suitable planks of wood that are 2 m long and 0.25 m wide. They cost £3.95 each.

Calculate:

1. The patio area.

The area of the patio = length \times width = 4 m \times 3 m = **12 m²**

2. The area of each plank.

The area of each piece of wood = length \times width = 2 m \times 0.25 m = **0.50 m²**

3. The amount of wood you'll use.

The amount of wood needed = area of patio \div area of pieces of wood

= 12 \div 0.5 = **24 pieces of wood**

4. The total cost of the wood.

Total cost = 24 pieces \times £3.95 = **£94.80**