

# Carpets - Investigation

A carpet manufacturer needs your help designing two carpets. Use the information about each carpet and then tell what the dimensions of each carpet should be.

The manufacturer would also like you to calculate the cost of each carpet.

## Carpet A

1. Carpet must be 8 metres wide.
2. Carpet must not be longer than 12 metres.
3. Carpet must have an area of 72 metres squared.
4. All measurements must be a whole number of metres.

## Carpet B

1. Carpet must not be more than 6 metres wide.
2. Carpet must be more than 5 metres long.
3. Carpet must have an area of 36 metres squared.
4. All measurements must be a whole number of metres.

Carpets are sold at €3.00 per metre squared.