

At Warmsnug the area of glass and the length of frame determine the price.

| Window | Area of glass | Length of frame | Price (£) |
|--------|---------------|-----------------|-----------|
| A      | 32            | 28              | 880       |
| B      | 15            | 16              | 470       |
| C      | 8             | 12              | 320       |
| D      | 16            | 20              | 560       |
| E      | 12            | 18              | 550       |
| F      | 9             | 12              | 330       |
| G      | 24            | 26              | 760       |
| H      | 3             | 8               | 190       |
| I      | 12            | 14              | 400       |
| J      | 4             | 8               | 200       |
| K      | 12            | 17              | 460       |
| L      | 20            | 23              | 660       |
| M      | 36            | 24              | 840       |
| N      | 24            | 20              | 640       |
| O      | 12            | 16              | 440       |

Alison compared windows K and I because they use the same area of glass. Can you see how she worked out the cost of the frame by comparing their prices?

Charlie compared windows B and O because they use the same length of frame. Can you see how he worked out the cost of the glass by comparing their prices?

Alison then compared the cost of buying two of window J with the cost of window B. Can you see how she used this to work out the cost of the glass?

Charlie then compared the cost of buying windows C and J with the cost of window K. Can you see how he used this to work out the cost of the frame?

What do you discover if you compare the costs of windows E and O?

**What other combinations of windows could Alison and Charlie have considered?**