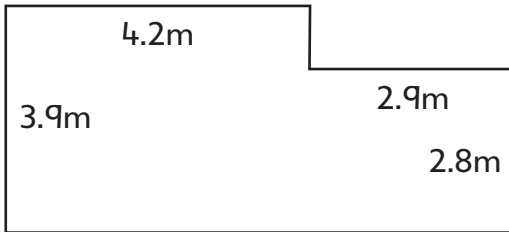


Name _____

Date _____

Carpet fitter

- Mr and Mrs Prashad want to re-carpet their lounge.



- The carpet they have chosen costs £16.95 per square metre, including free fitting.
 - The carpet is plain and comes in 3m or 4m widths. Although it is better to have the carpet in one piece, it will join quite easily, but the carpet must be laid in the same direction.
 - They also need underlay which is sold at £1.99 per square metre.
- Calculate how much carpet they will need to buy, remember they will have to pay for the 'wasted' carpet.
 - Is it more economical to buy the carpet from the 3m or the 4m roll, if no joins are used?
 - What is the cost of the carpet and the underlay?
- Remember to show your workings and explain which width you have chosen and why. If you are going to have joins in the carpet, show where the joins will be.

Dear Helper

Your child has been learning about the costs of redecorating and furnishing rooms and how to calculate costs. Encourage your child to work out the costs using both widths of carpet, discussing where there could be joins and the benefits of having no joins. Make sure that the costs for underlay are included.

Name _____ Date _____

Frozen fingers

A group of children have been conducting a science experiment to see how quickly ice melts. They fill two large rubber gloves with 1 litre of water in each and freeze them overnight. The next day, the gloves are peeled off the ice and the frozen hands placed on trays. One is put in a warm room and the other in a cold cupboard. The children check the hands every hour and measure the amount of melted water in the tray.

Here are their results:

	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours	7 hours
Cold cupboard	25ml	75ml	150ml	250ml	375ml	550ml	
Warm room	75ml	200ml	375ml	500ml	750ml	900ml	

1. The children have to go home before the 7 hour reading. Write in each box what you think it could be.

2. The next day, the children plot their results on a graph. Unfortunately, they do not have time to enter the warm room information. Help them by completing the graph for them.

