**BLM 6.PR.7: Mrs. Dean’s Carpet**

Mrs. Dean went to a carpet store and told the salesman that she needed a carpet for her living room.

The salesman asked Mrs. Dean for the dimensions of her living room.

Mrs. Dean said that her living room was rectangular in shape and the area of her living room was 20 square metres.

“Well, madam,” said the salesman, “our carpets come in four different widths: one metre, two metres, two-and-a-half metres, and four metres. Which width do you need?”

“Let me see now.” said Mrs. Dean. “I would need 20 metres of the one-metre-wide carpet, 10 metres if I went with the two-metre-wide carpet, but only eight metres of the two-and-a-half-metre-wide carpet, and oh let’s see, only five metres of the four-metre-wide carpet. I wonder which one would look the best in my almost square living room.”