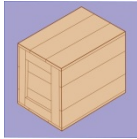
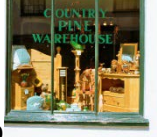
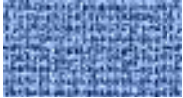


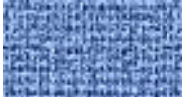
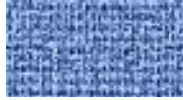

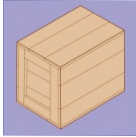


Above are two sample wooden boxes  they have for sale in a shop . You want to buy one to cover with

carpet  to make your cat  a scratching post . However, you only have 40 square feet of carpet  left over from having new carpet  put in the house. Do you have enough carpet

 to buy either box  or only one? Support your decision by showing your work.

W <u>2</u> x	H <u>3</u> =	6 x2	12
L <u>2</u> x	W <u>2</u> =	4 x2	8
L <u>2</u> x	H <u>3</u> =	6 x2	12
Area			32 = ft

W <u>3</u> x	H <u>2</u> =	6 x2	12
L <u>4</u> x	W <u>3</u> =	12 x2	24
L <u>4</u> x	H <u>2</u> =	8 x2	16
Area			52 = ft

