

Name \_\_\_\_\_

# Rug Sizes

	Living Room	Dining Room	Bedroom	Office	Family Room
3 X 5					
4 X 6					
5 X 7					
8 X 10					
10 X 12					

Zack must buy rugs for 5 rooms in his new house. The rooms are the living room, the dining room, the bedroom, the office and the family room. The sizes of the rugs, in feet, are 3X5, 4X6, 5X7, 8X10, 10X12. Zack knows that by multiplying the length of each rug by its width, he will find the total area of the rug and therefore will know if it will fit in the rooms of his house. Read the clues to find out which size rug he bought for each room in his house.

1. The rug in the bedroom did not have a total area of 120, 80 or 35.
2. The total area of the rug in the living room was not equal to 3 X 8.
3. The total area of the rug in the family room can be divided evenly by 10.
4. The 5 X 7 rug is not in the dining room or office.
5. The dining room has a rug that has a total area that can be divided evenly by 12.
6. The rug in the office has a total area that is less than the total area of the rug in the bedroom.

