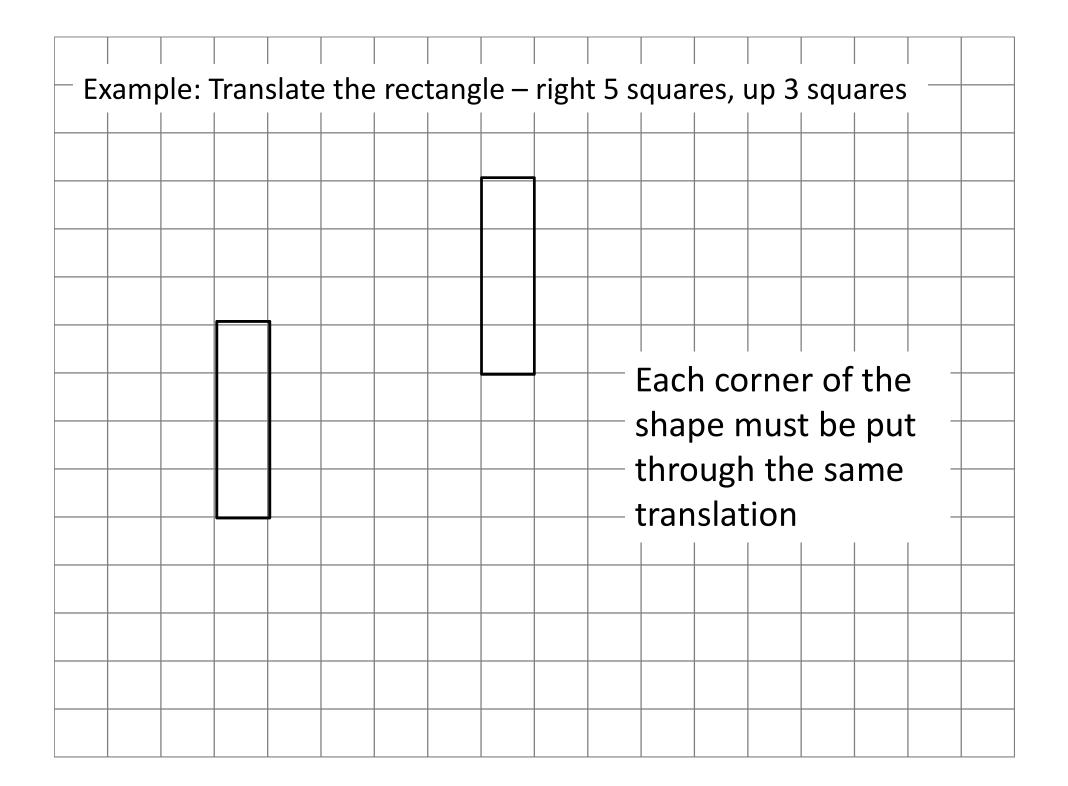
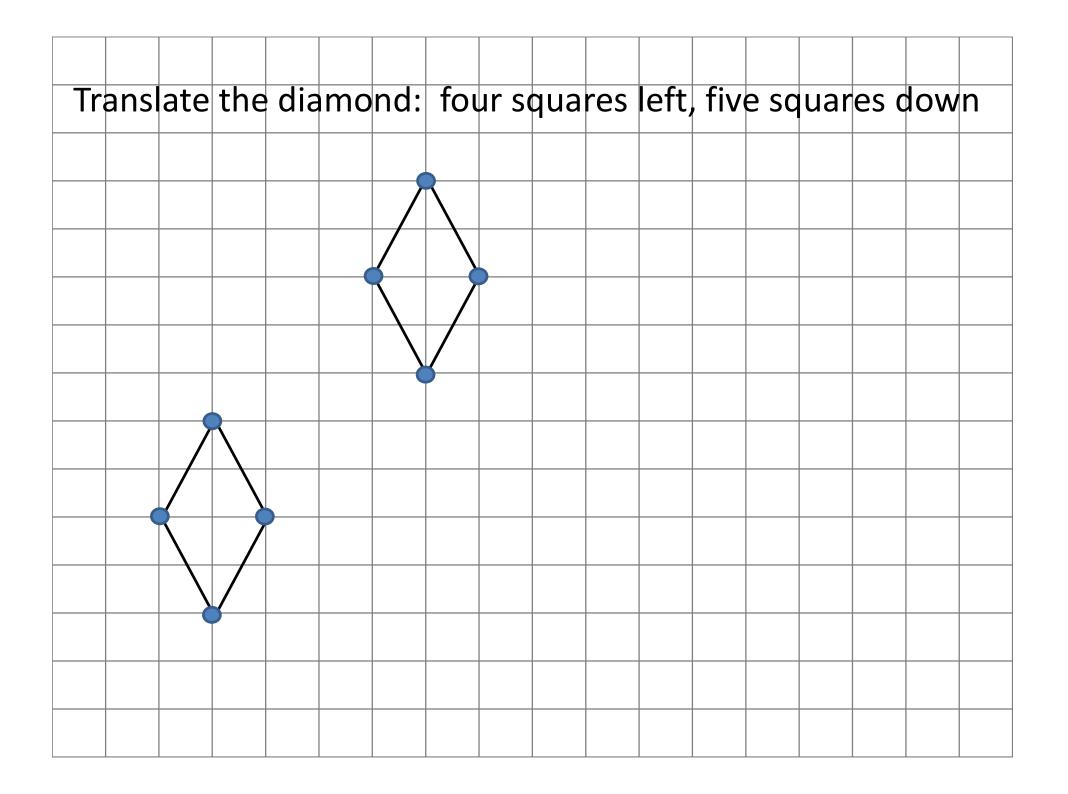
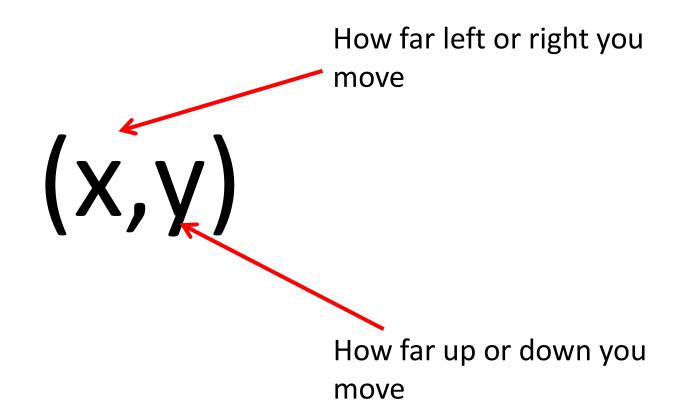


- A translation means to move a shape without changing it's appearance
- The way a shape is translated can be given in words or using vector notation





- Instead of writing "3 squares right, 2 squares up", we can use co-ordinates instead
- "3 squares right, 2 squares up" = (3,2)
- +3 along the x axis and +2 along the y axis



A negative number means moving left or down

- (4,6) means... "4 squares right, 6 squares up"
- (-3,5) means.... "3 squares left, 5 squares up"
- (6, −1)means..."6 squares right, 1 squares down"
- (-4, -5) means..."4 squares left, 5 squares down"

