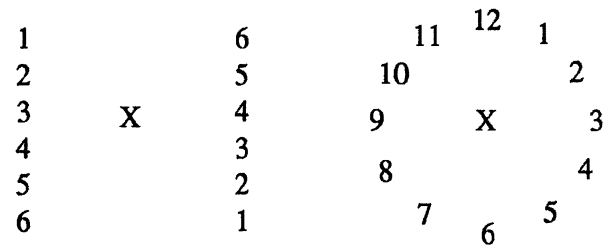


BI-MANUAL LINES

PURPOSE: To develop effective, bilateral, visually monitored direction of movement, and steady visual fixation

APPARATUS: Chalkboard, two pieces of chalk and various patterns on chalkboard; for example, two vertical columns of numbers 2 to 3 feet apart, or face of clock numbers 2 to 3 feet in diameter like the ones shown below. See "Proper Chalkboard, Properly Used" for additional information.



METHOD:

1. Patient is to hold a piece of chalk in each hand and is to move his hands at the same time to connect the numbers while looking at the "X" in the middle.
2. Chalk should be held across the fingers and the proper UP and DOWN hand positions should be used. See "Proper Chalkboards, Properly Used" for more information.
3. Use all possible directions, and combinations of directions, of hand movements from the outside position to the center position, but in the following sequence:
 - a. Horizontal movements only, both hands moving inward and outward, or both to the right and left.
 - b. Combined horizontal and vertical movements of arms, one hand moving up and down, the other right to left.
 - c. Various combinations of diagonal arm movements.
 - d. Cross-over combinations, such as right hand on nine and left hand on three.

ASPECTS TO BE EMPHASIZED:

1. Coordinated bilateral movement so that both hands reach their goals simultaneously and smoothly.
2. At first, the patient may look to place his chalk on the numbers, but as skill increases, he should continue to look at the "X" and place hands correctly with his side vision.
3. Maintain visual awareness of arm movement, body posture, and arm and hand positions.
4. Ability to maintain steady eye fixation of the "X."

MONOCULAR _____ BINOCULAR _____ SEPTUM _____ LENSES _____ TIME _____