

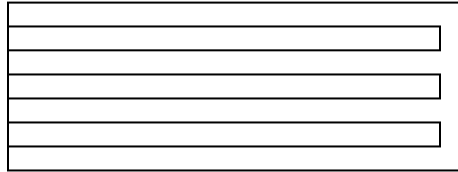
Space Efficiency

Work these space efficiency problems. Show all work. Also sketch the greenhouse and benches and tell what bench arrangement is probably being used. Finally circle the problem that has the best space efficiency.

Example: Greenhouse is 45 ft x 30 ft
3 Stationary benches are 6 ft x 40 ft

Solution: $45 \times 30 = 1350$ -> Total area of greenhouse
 $3 \times 6 \times 40 = 720$ -> Total area of benches
 $720 \div 1350 \times 100 = 53.3\%$ -> Space efficiency

Longitudinal Bench Style



1. Greenhouse is 65 ft x 32 ft
20 rolling benches are 6 ft x 14 ft

2. Greenhouse is 76 ft x 30 ft
8 stationary benches are 6 ft x 24 ft

3. Greenhouse is 96 ft x 34 ft
2 inground beds are 3 ft x 88 ft
3 inground beds are 6 ft x 88 ft