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Section 6.5: 6, 8, 12, 14

6.

$C(7,5) = 21$  possible ways without repetition

8.

$C(32,12) = 225,792,840$  possible ways w/ repetition.  $C(21,12) = 293,930$  possible ways without repetition.

12.

$C(24, 20) = C(24,4) = 10,626$  possible combinations.

14.

$C(20,17) = C(20,3) = 1,140$  possible solutions.