Solve each problem using the counting principle.

A store has 15 sofas, 12 lamps, and 10 tables at half price. How many different combinations of a sofa, a lamp, and a table can be sold at half price?



Solve each problem using the counting principle.

How many ways can six different books be arranged on a shelf?



6.5.4.3.2.1=720





(6.5.4.3.2.1 = 720 = 30) $2 = \frac{30}{2}$ $= \frac{180}{2}$