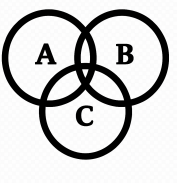
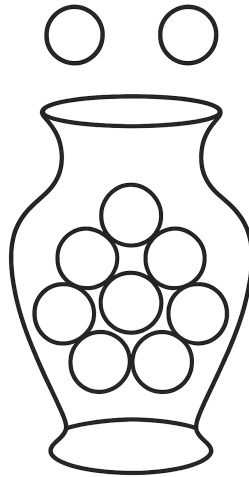
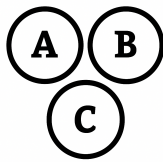


B

Combinations

B



$$m = 10$$

$$n = 2$$

$$\binom{m}{n} = \frac{m!}{n!(m-n)!} = \frac{10!}{2!(10-2)!} = \frac{10 \times 9}{2} = 45$$

?

$$m = 42$$

$$n = 3$$

$$\binom{m}{n} = ?$$

B

Combinations

B



$$m = 42$$

$$n = 3$$

$$\binom{m}{n} = \frac{m!}{n!(m-n)!} = \frac{42!}{3!(42-3)!} = \frac{42 \times 41 \times 40}{3 \times 2 \times 1} = 11,480$$