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Tell whether the events are INDEPENDENT or DEPENDENT．
1．You randomly choose 1 of 10 pens from a box and replace it．Then you choose one more pen．

INDEPENDENT or DEPENDENT

2．You roll a number cube twice．You get a 2 an a 5.
INDEPENDENT or DEPENDENT

3．You toss a coin．If it is heads，you toss it again．If it is tails，you quit．

4．A container has 5 black buttons， 3 white buttons and 1 blue buttons．You reach in and randomly draw out a blue button．You return the blue button and reach in again to draw out a black button．

INDEPENDENT or DEPENDENT

A tank holds 5 trout， 3 bass，and 4 perch．You catch a fish randomly．
Use the above information to answer the following WITHOUT replacement．
5．Find P（trout，trout）
6．Find $P$（bass and then perch）
7．Find P （perch，perch）

Use the above information to answer the following WITH replacement．
8．Find P（trout，trout）
9．Find $P$（bass and then perch）
10．Find P（2 bass）

Find each probability．
Each item IS NOT REPLACED．
11．A bag contains 4 red and 5 yellow marbles． Choose a yellow one，keep it，and choose a another yellow one．

Find each probability． Each item IS REPLACED．

12．A box contains 4 red and 5 yellow marbles． Choose a yellow one，replace it，and choose a another yellow one．

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