



#1

Choose the best answer

There are 3 cars in a used car lot. In how many different orders can they be sold one by one?

- 7 5
 6 3

Show your work

#2

At the movies there are 5 people in a theatre. At the end of the movie they all get up to leave. In how many different orders can the people leave the theatre one by one?

orders

Show your work

#3

Choose the best answer

If Dylan has 5 errands to do, how many different combinations are there in which order he does them?

- 120 130
 147 124

Show your work



#4

Madeline plays the lottery and is trying to calculate her chances of winning. If the lottery number has 5 digits, how many possible combinations are there?

orders

Show your work

#5

Lily plays the lottery and is trying to calculate her chances of winning. If the lottery number has 4 digits, how many possible combinations are there?

orders

Show your work

#6

Jackson is picking 5 apples from the tree in the backyard. In how many different orders can he pick them?

orders

Show your work



#7

Brayden is raising chickens in a backyard coop. If he is expecting 2 new chicks to hatch, in how many different orders can they hatch from their eggs?

orders

Show your work

#8

Sophia is at the horse races and is betting on which one will win. If there are 4 horses, how many different outcomes are possible?

orders

Show your work

#9

Choose the best answer

At the movies there are 2 people in a theatre. At the end of the movie they all get up to leave. In how many different orders can the people leave the theatre one by one?

3

2

5

0

Show your work



#10

Choose the best answer

If Andrew has 2 errands to do, how many different combinations are there in which order he does them?

 5 4 2 0[Show your work](#)

#11

Angela is picking 4 apples from the tree in the backyard. In how many different orders can she pick them?

 orders[Show your work](#)

#12

Choose the best answer

Austin is raising chickens in a backyard coop. If he is expecting 5 new chicks to hatch, in how many different orders can they hatch from their eggs?

 149 115 107 120[Show your work](#)

| Question | Answer |
|----------|--------|
| #1 | 6 |
| #2 | 120 |
| #3 | 120 |
| #4 | 120 |
| #5 | 24 |
| #6 | 120 |
| #7 | 2 |
| #8 | 24 |
| #9 | 2 |
| #10 | 2 |
| #11 | 24 |
| #12 | 120 |