#1

Choose the best answer

Samantha is at the horse races and is betting on which one will win. If there are 3 horses, how many different outcomes are possible?

○ 4   ○ 6

○ 5   ○ 7   Show your work

#2

Choose the best answer

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

○ 102   ○ 120

○ 154   ○ 117   Show your work

#3

Choose the best answer

Zoe is shotting targets at the range. If there are 4 targets, in how many different orders can they pop up one by one?

○ 29   ○ 24

○ 32   ○ 22   Show your work

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#4

Choose the best answer

Zachary is shotting targets at the range. If there are 4 targets, in how many different orders can they pop up one by one?

- ○ 24
- ○ 21
- ○ 27
- ○ 29

Show your work

#5

There are 2 different coloured marbles in a bag and Ashley and their friends are taking turns picking one out of the bag. How many different orders are possible?

☐ orders

Show your work

#6

Choose the best answer

Dahlia is raising chickens in a backyard coop. If she is expecting 3 new chicks to hatch, in how many different orders can they hatch from their eggs?

- ○ 9
- ○ 5
- ○ 3
- ○ 6

Show your work

#7

Choose the best answer

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

○ 120   ○ 114

○ 107   ○ 154

Show your work

#8

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?

○ 1   ○ 0

○ 3   ○ 2

Show your work

#9

Lauren has 2 homework questions left to do, but she hates doing them in sequential order. In how many different orders can Lauren do them?

☐ orders

Show your work

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#10

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

#11

There are 3 different coloured marbles in a bag and Michael and their friends are taking turns picking one out of the bag. How many different orders are possible?

[ ] orders

#12

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

[ ] orders

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