#03 Fundamental Principle of Counting+Factorial

Total points 5/5

✓ Evaluate: * 1/1

$$\frac{10!}{6!\,4!}$$

- 1260

35

- [x] 210
- [ ] 1

✓ If (n+3)! = 56 (n+1)! find the value of n. * 1/1

- [ ] 7
- [ ] 2
- [ ] 8
- [x] 5

✓ How many three digit numbers more than 600 can be formed by using the digits 2, 3, 4, 6, 7 (if repetition is allowed)? * 1/1

- [ ] 125
- [ ] 24
- [x] 50
- [ ] 60

✓ Twelve students compete in a race. In how many ways first three prizes can be given? * 1/1

- [x] 1320
- [ ] 1728
- [ ] 27
- [ ] 6

✓ How many different five digit number licence plates can be made if the first digit cannot be zero and the repetition of digits is not allowed? * 1/1

- ○ 15120
- ◉ 27216 ✓
- ○ 59049
- ○ None