

# DRILL QUESTIONS ON FACTORIAL (!)



**Class: Year 6**

**INSTRUCTION: Attempt All Questions**

**Time allowed: 20minutes**

1. What is a factorial?
  - a) A number that is evenly divisible by all the other numbers in a set
  - b) The sum of all the numbers in a set
  - c) The product of all the numbers in a number
  - d) The difference between the largest and smallest number in a set 2.
  
2. What is the value of  $(5!)$ ?
  - a) 5
  - b) 10
  - c) 20
  - d) 120
  
3. What is the value of  $(0!)$ ?
  - a) 0
  - b) 1
  - c) Undefined
  - d) 2
  
4. What is the value of  $(4!)$  divided by  $(2!)$ ?
  - a) 2
  - b) 6
  - c) 12
  - d) 24
  
5. What is the value of  $(3!)$  minus  $(2!)$ ?
  - a) 1
  - b) 2
  - c) 3
  - d) 4
  
6. What is the value of  $(6!)$  divided by  $(3!)$ ?
  - a) 2
  - b) 18
  - c) 120

d) 5040

7. What is the value of  $(3!)$  times  $(1!)$ ?

- a) 1
- b) 3
- c) 4
- d) 6

8. What is the value of  $(2!)$  plus  $(1!)$ ?

- a) 3
- b) 4
- c) 1
- d) 2

9. What is the value of  $(5!)$  minus  $(3!)$ ?

- a) 114
- b) 720
- c) 15
- d) 240

10. What is the value of  $(4!)$  plus  $(3!)$ ?

- a) 5
- b) 10
- c) 30
- d) 120

11. What is the value of  $(1!)$  divided by  $(1!)$ ?

- a) 0
- b) 1
- c) 2
- d) Undefined

12. What is the value of  $(2!)$  times  $(0!)$ ?

- a) 0
- b) 1
- c) 2
- d) Infinity

13. What is the value of  $(3!)$  divided by  $(1!)$ ?

- a) 1
- b) 2
- c) 3
- d) 6

14. What is the value of  $(4!)$  minus  $(1!)$ ?

- a) 3
- b) 5
- c) 23
- d) 119

15. What is the value of  $(5!)$  divided by  $(4!)$ ?

- a) 0
- b) 1
- c) 4
- d) 5

16. What is the value of  $(6!)$  minus  $(4!)$ ?

- a) 30
- b) 48
- c) 480
- d) 4720

17. What is the value of  $(1!)$  plus  $(0!)$ ?

- a) 0
- b) 1
- c) 2

d) 3

18. What is the value of  $(2!)$  times  $(1!)$ ?

a) 2

b) 1

c) 0

d) 3

19. What is the value of  $(3!)$  divided by  $(2!)$ ?

a) 1

b) 2

c) 3

d) 6

20. What is the value of  $(4!)$  plus  $(2!)$ ?

a) 10

b) 20

c) 26

d) 30