

**Factorials - MCQ**1) What is the HCF of  $10!$ ,  $7!$  and  $9!$ ?

- a)  $7!$                       b)  $10!$                       c)  $9!$                       d)  $1!$

2) What is the value of  $3! 5!$ ?

- a) 740                      b)  $15!$                       c) 720                      d)  $8!$

3)  $\frac{(n+1)!}{n!} = 4! + 2!$ , find  $n$ 

- a) 26                      d) 1

4)  $8! = ?$ 

- a) 8                      d)  $7! + 1!$

5) Which of the following is equal to  $6(6!) = 5!$ ?

- a)  $\frac{6!}{6} = 5(4!)$                       d)  $6(6!) = 5!$

6) Which of the following is equal to  $(9n)!$ ?

- a)  $9n!$                       b)  $9n^2$                       c)  $(9n - 1)!$                       d)  $9n$

7) Which of the following is equivalent to  $(2!)^3$ ?

- a)  $3! 2!$                       b)  $3! + 2!$                       c)  $8!$                       d)  $3(2!)$

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## Factorials - MCQ

1) What is the HCF of  $10!$ ,  $7!$  and  $9!$ ? a)  $7!$ b)  $10!$ c)  $9!$ d)  $1!$ 2) What is the value of  $3! 5!$ ?

a) 740

b)  $15!$  c) 720d)  $8!$ 3)  $\frac{(n+1)!}{n!} = 4! + 2!$ , find  $n$ 

a) 26

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d) 1

4)  $8! = ?$ 

a) 8

d)  $7! + 1!$ 5) Which of the following is equal to  $6!$ ? a)  $\frac{6!}{6} = 5(4!)$ d)  $6(6!) = 5!$ 6) Which of the following is equal to  $(9n)!$ ?a)  $9n!$ b)  $9n^2$ c)  $(9n - 1)!$  d)  $9n$ 7) Which of the following is equivalent to  $(2!)^3$ ?a)  $3! 2!$  b)  $3! + 2!$ c)  $8!$ d)  $3(2!)$