

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 true?

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

6) Which of the following is true?

- 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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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) $3(2!)$