



Probability and Statistics - Factorial Form Intro

- 1** Select the correct equivalent to this factorial
 $4!$

A 1	B $4 \cdot 3$
C $3 \cdot 2$	D $4 \cdot 3 \cdot 2$

- 2** Select the correct equivalent to this factorial
 $4!$

A 2	B $\frac{1}{4}$
C 24	D 12
E 120	

- 3** Select the correct factorial equivalent to this multiplication
 $6 \cdot 5 \cdot 4 \cdot 3 \cdot 2$

A $6!$	B $5!$
C $7!$	D $4!$

- 4** Select the correct equivalent to this factorial
 $\frac{5!}{3!}$

A $5 \cdot 4$	B $6 \cdot 5 \cdot 4 \cdot 3$
C 1	D 6
E 4	

- 5** Select the correct equivalent to this factorial
 $\frac{6!}{3!}$

A 12	B 336
C $\frac{1}{6}$	D 120
E 6	

- 6** Select the correct factorial equivalent to this multiplication
 $5 \cdot 4$

A $\frac{4!}{2!}$	B $\frac{3!}{2!}$	C $\frac{4!}{5!}$
D $\frac{5!}{3!}$	E $\frac{3!}{5!}$	

- 7** What is the value of this factorial expression?
 $5!$

A 240	B 1
C 120	D 60

- 8** What is the value of this factorial expression?
 $4! \cdot 2!$

A 24	B 48
C 2	D 12



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- 9** What is the value of this factorial expression?

$$\frac{2!}{4!}$$

A	1	B	$\frac{1}{24}$
C	$\frac{1}{12}$	D	5

- 10** What is the value of this factorial expression?
- $$(6 - 6)!$$

A	$\frac{1}{12}$	B	$\frac{1}{24}$
C	$\frac{1}{6}$	D	1

- 11** What is the value of this factorial expression?
- $$5! \cdot (5 - 3)!$$

A	20	B	1
C	120	D	240

- 12** What is the value of this factorial expression?

$$\frac{1}{4!}$$

A	1	B	$\frac{1}{48}$
C	$\frac{1}{2}$	D	$\frac{1}{24}$

- 13** What is the value of this factorial expression?

$$\frac{1}{2! \cdot 5!}$$

A	$\frac{1}{12}$	B	$\frac{1}{240}$	C	$\frac{1}{48}$
D	$\frac{1}{24}$	E	$\frac{1}{40}$		

- 14** What is the value of this factorial expression?

$$\frac{1}{(6 - 5)!}$$

A	48	B	6	C	1
D	$\frac{1}{120}$	E	24		

- 15** What is the value of this factorial expression?

$$\frac{1}{4! \cdot (6 - 4)!}$$

A	1	B	$\frac{1}{6}$	C	$\frac{1}{24}$
D	$\frac{1}{12}$	E	$\frac{1}{48}$		

- 16** What is the value of this factorial expression?

$$\frac{8! + 6!}{6!}$$

A	102	B	67
C	87	D	27
E	57		



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17 What is the value of this factorial expression?

$$\frac{5!}{3! \cdot 2!}$$

A $\frac{1}{2}$	B 20	C $\frac{1}{6}$
D 10	E 60	

18 What is the value of this factorial expression?

$$\frac{4!}{(5-3)!}$$

A $\frac{1}{2}$	B $\frac{1}{5}$
C 24	D 12

19 What is the value of this factorial expression?

$$\frac{5!}{5! \cdot (4-4)!}$$

A $\frac{1}{20}$	B 1	C $\frac{1}{5}$
D 4	E $\frac{1}{2}$	