

Name : _____

Evaluating Factorial

L2S4

Evaluate the following.

1) $\frac{81!}{80!} \div 3 + 0!$

2) $\frac{11!}{9!} + \frac{2!}{1!} - \frac{7!}{5!}$

3) $\sqrt{3(4! + 2!) - 14}$

4) $1! \times 2 - (2!)^2$

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$\frac{21! 36!}{20! 35!} \div 27$

7) $\frac{66! 3!}{65! 4!}$

$\frac{10!}{7!} \times \frac{1!}{36} \times 25$

10) $\frac{7!}{6!} + \frac{2!}{0!} - 10$

11) $\frac{((3! + 4) \div 5)!}{(3 - (2! + 1))!}$

12) $(0! \div 1!)^3$

Name : _____

Answer key

Evaluating Factorial

L2S4

Evaluate the following.

1) $\frac{81!}{80!} \div 3 + 0!$

28

2) $\frac{11!}{9!} + \frac{2!}{1!} - \frac{7!}{5!}$

70

3) $\sqrt{3(4! + 2!) - 14}$

8

4) $1! \times 2 - (2!)^2$

-2

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$\frac{21! 36!}{20! 35!} \div 27$

28

7) $\frac{66! 3!}{65! 4!}$

$\frac{33}{2}$

$\frac{10!}{7!} \times \frac{1!}{36} \times 25$

500

10) $\frac{7!}{6!} + \frac{2!}{0!} - 10$

-1

11) $\frac{((3! + 4) \div 5)!}{(3 - (2! + 1))!}$

2

12) $(0! \div 1!)^3$

1