

Name : _____

Evaluating Factorial

L2S3

Evaluate the following.

1) $\frac{(1! + 3!)^2}{7}$

2) $\frac{7! - 6! + 20}{2! \times 10}$

3) $\frac{32!}{33!} \times \frac{99!}{98!}$

4) $\frac{(19!)^2}{19! 18!}$

$\frac{((3! - 3)!)^2}{((2^2)!)^2}$

7) $\frac{10!}{5!} \div \frac{9!}{7!} \times$

$\frac{1! \times 48}{4!} - \frac{67!}{66!}$

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10) $(3!)^2 + 4! 0! + 7$

11) $\frac{(3! 2!)^2}{(15^0)!}$

12) $6! - (2 \times 8! \div 96)$

Evaluating Factorial

Evaluate the following.

1) $\frac{(1! + 3!)^2}{7}$

7

2) $\frac{7! - 6! + 20}{2! \times 10}$

217

3) $\frac{32!}{33!} \times \frac{99!}{98!}$

3

4) $\frac{(19!)^2}{19! 18!}$

19

$\frac{((3! - 3)!)^2}{((2^2)!)^2}$

 $\frac{1}{16}$

7) $\frac{10!}{5!} \div \frac{9!}{7!} \times$

10

$\frac{1! \times 48}{4!} - \frac{67!}{66!}$

-65

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10) $(3!)^2 + 4! 0! + 7$

67

11) $\frac{(3! 2!)^2}{(15^0)!}$

144

12) $6! - (2 \times 8! \div 96)$

-120