

Name : \_\_\_\_\_

## Evaluating Permutations

L1S2

Evaluate the following.

1)  $9 + 3P(6, 3)$       2)  $8P(7, 2) + 4! P(3, 1)$       3)  $\frac{P(11, 5)}{110}$

4)  $-52 - P(9, 4)$

# PREVIEW

$23P(5, 3)$

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7)  $7! - P(8, 5)$

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$-P(15, 3) \times P(2, 2)$

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10)  $-P(4, 4) + P(4, 3)$       11)  $\frac{448}{P(64, 2)} + 2!$       12)  $P(7, 5) - P(29, 2)$

Name : \_\_\_\_\_

**Answer key**

**Evaluating Permutations**

L1S2

Evaluate the following.

1)  $9 + 3P(6, 3)$       2)  $8P(7, 2) + 4! P(3, 1)$       3)  $\frac{P(11, 5)}{110}$

**369**

**408**

**504**

4)  $-52 - P(9, 4)$

**PREVIEW**

$23P(5, 3)$

**-3,076**

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**1,380**

7)  $7! - P(8, 5)$

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$-P(15, 3) \times P(2, 2)$

**-1,680**

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**-5,460**

10)  $-P(4, 4) + P(4, 3)$       11)  $\frac{448}{P(64, 2)} + 2!$       12)  $P(7, 5) - P(29, 2)$

**0**

**$\frac{19}{9}$  or  $2\frac{1}{9}$**

**1,708**