

Name : _____

Evaluating Permutations

L2S5

Evaluate the following.

1) $21 + \frac{P(76, 9)}{38P(75, 8)}$

2) $\frac{P(7, 2) - P(66, 1)}{P(6, 6) \times P(4, 4)}$

3) $\frac{P(9, 3) + P(8, 2)}{P(12, 2)} - \frac{P(5, 2)}{P(10, 2)} \times P(52, 39)$

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5) $\frac{P(11, 5) + P(10, 4)}{155} - \frac{P(96, 80)}{P(97, 81)}$

Evaluating Permutations

Evaluate the following.

$$1) \quad 21 + \frac{P(76, 9)}{38P(75, 8)}$$

$$2) \quad \frac{P(7, 2) - P(66, 1)}{P(6, 6) \times P(4, 4)}$$

23

$$3) \quad \frac{P(9, 3) + P(8, 2)}{P(12, 2)} - \frac{P(52, 39)}{P(52, 39)}$$

15

$$5) \quad \frac{P(11, 5) + P(10, 4)}{155} - \frac{P(96, 80)}{P(97, 81)}$$

360

$\frac{290}{97}$ or $2\frac{96}{97}$

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