

Name : _____

Evaluating Permutations

L2S1

Evaluate the following.

1) $\frac{P(18, 5)}{14P(16, 2)} + P(45, 1)$

2) $\frac{P(20, 15) \times P(19, 13)}{P(17, 12) \times P(21, 15)}$

3) $\frac{800}{P(7, 4)} - P(54, 1) + 4P(54, 1) - P(8, 6)$

PREVIEW

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5) $\frac{P(31, 2) - P(28, 1)}{P(5, 3)} + \frac{2!}{P(5, 3)}$

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1) $\frac{P(18, 5)}{14P(16, 2)} + P(45, 1)$

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351**PREVIEW** **$6\frac{2}{7}$**

3) $\frac{800}{P(7, 4)} - P(54, 1)$

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$+ 4P(54, 1) - P(8, 6)$

 $\frac{20}{21}$

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5) $\frac{P(31, 2) - P(28, 1)}{P(28, 1)}$

$+ \frac{2!}{P(5, 3)}$

10 **$\frac{37}{15}$ or $2\frac{7}{15}$**