

Name : _____

Evaluating Combinations

L1S3

Evaluate the following.

1) $\frac{16C(10, 8)}{6!}$

2) $-C(34, 33) + C(27, 25)$

3) $5C(15, 12) + 16$

4) $2C(95, 94)$

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$-\frac{C(52, 51)}{C(36, 35)}$

7) $C(44, 42) - 3!$

$3C(12, 9) - C(20, 2)$

10) $-29 + C(67, 1)$

11) $-\frac{55}{C(13, 4)}$

12) $4! C(6, 6)$

Name : _____

Answer key

Evaluating Combinations

L1S3

Evaluate the following.

1) $\frac{16C(10, 8)}{6!}$

1

2) $-C(34, 33) + C(27, 25)$

317

3) $5C(15, 12) + 16$

2,291

4) $2C(95, 94)$

190

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$-\frac{C(52, 51)}{C(36, 35)}$

$-\frac{13}{9}$ or $-1\frac{4}{9}$

7) $C(44, 42) - 3!$

940

$3C(12, 9) - C(20, 2)$

470

10) $-29 + C(67, 1)$

38

11) $-\frac{55}{C(13, 4)}$

$-\frac{1}{13}$

12) $4! C(6, 6)$

24