

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

Score: \_\_\_\_\_

**Expanded and Exponent Form**

ES1

(A) Rewrite each exponent form in expanded form:

1) $5^7$ = _____	2) $2^8$ = _____
3) $1^6$ = _____	4) $8^9$ = _____
5) $7^2$ = _____	6) $9^3$ = _____
7) $13^4$ = _____	8) $12^7$ = _____
9) $15^6$ = _____	10) $14^2$ = _____

(B) Rewrite each expanded form in exponent form:

1) $6 \times 6 \times 6$ = _____	2) $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$ = _____
3) $11 \times 11 \times 11$ = _____	4) $10 \times 10 \times 10 \times 10 \times 10$ = _____
5) $14 \times 14 \times 14 \times 14$ = _____	6) $12 \times 12 \times 12$ = _____
7) $8 \times 8 \times 8 \times 8 \times 8$ = _____	8) $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$ = _____
9) $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$ = _____	10) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ = _____

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

Score: \_\_\_\_\_

**Answer key****Expanded and Exponent Form**

ES1

(A) Rewrite each exponent form in expanded form:

1) $5^7$ $= 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$	2) $2^8$ $= 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$
3) $1^6$ $= 1 \times 1 \times 1 \times 1 \times 1 \times 1$	4) $8^9$ $= 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8$
5) $7^2$ $= 7 \times 7$	6) $9^3$ $= 9 \times 9 \times 9$
7) $13^4$ $= 13 \times 13 \times 13 \times 13$	8) $12^7$ $= 12 \times 12 \times 12 \times 12 \times 12 \times 12 \times 12$
9) $15^6$ $= 15 \times 15 \times 15 \times 15 \times 15 \times 15$	10) $14^2$ $= 14 \times 14$

(B) Rewrite each expanded form in exponent form:

1) $6 \times 6 \times 6$ $= 6^3$	2) $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$ $= 7^9$
3) $11 \times 11 \times 11$ $= 11^3$	4) $10 \times 10 \times 10 \times 10 \times 10$ $= 10^5$
5) $14 \times 14 \times 14 \times 14$ $= 14^4$	6) $12 \times 12 \times 12$ $= 12^3$
7) $8 \times 8 \times 8 \times 8 \times 8$ $= 8^5$	8) $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$ $= 6^9$
9) $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$ $= 5^{10}$	10) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ $= 2^7$