

Name: _____

Score: _____

Expanded and Exponent Form

(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: _____

Answers

(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) $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$ $= 2^7$