

Name: _____

Score: _____

Expanded and Exponent Form

(A) Rewrite each exponent form in expanded form:

1) 8^2 = _____	2) 3^{10} = _____
3) 6^8 = _____	4) 7^4 = _____
5) 12^5 = _____	6) 15^7 = _____
7) 9^8 = _____	8) 6^5 = _____
9) 10^7 = _____	10) 11^5 = _____

(B) Rewrite each expanded form in exponent form:

1) $13 \times 13 \times 13 \times 13 \times 13$ = _____	2) $15 \times 15 \times 15 \times 15$ = _____
3) $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$ = _____	4) $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$ = _____
5) $8 \times 8 \times 8 \times 8$ = _____	6) $11 \times 11 \times 11 \times 11 \times 11 \times 11 \times 11$ = _____
7) $3 \times 3 \times 3 \times 3 \times 3$ = _____	8) $2 \times 2 \times 2 \times 2 \times 2 \times 2$ = _____
9) $12 \times 12 \times 12 \times 12$ = _____	10) $14 \times 14 \times 14$ = _____

Name: _____

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Answers

(A) Rewrite each exponent form in expanded form:

1) 8^2 $= 8 \times 8$	2) 3^{10} $= 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$
3) 6^8 $= 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$	4) 7^4 $= 7 \times 7 \times 7 \times 7$
5) 12^5 $= 12 \times 12 \times 12 \times 12 \times 12$	6) 15^7 $= 15 \times 15 \times 15 \times 15 \times 15 \times 15 \times 15$
7) 9^8 $= 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9 \times 9$	8) 6^5 $= 6 \times 6 \times 6 \times 6 \times 6$
9) 10^7 $= 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$	10) 11^5 $= 11 \times 11 \times 11 \times 11 \times 11$

(B) Rewrite each expanded form in exponent form:

1) $13 \times 13 \times 13 \times 13 \times 13$ $= 13^5$	2) $15 \times 15 \times 15 \times 15$ $= 15^4$
3) $7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7 \times 7$ $= 7^{10}$	4) $5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5 \times 5$ $= 5^8$
5) $8 \times 8 \times 8 \times 8$ $= 8^4$	6) $11 \times 11 \times 11 \times 11 \times 11 \times 11 \times 11$ $= 11^7$
7) $3 \times 3 \times 3 \times 3 \times 3$ $= 3^5$	8) $2 \times 2 \times 2 \times 2 \times 2 \times 2$ $= 2^6$
9) $12 \times 12 \times 12 \times 12$ $= 12^4$	10) $14 \times 14 \times 14$ $= 14^3$