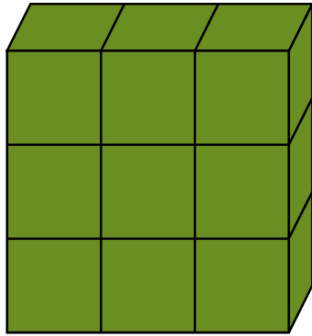




Use exponents to write repeated multiplication

- 1 What exponent expression shows how to find the number of blocks in the 3 wide by 3 long square?



A	6^5	B	3^2
C	3×2	D	2^3
E	3^3	F	5^5

- 2 What equation is the equivalent of this exponent expression?

$$2^2$$

A	$2 \times 2 \times 2$	B	$2 \times 2 \times 2 \times 2$
C	2×2	D	1
E	2		

- 3 Find the simplified form of this number raised to its exponent

$$9 \times 9 \times 9 \times 9 \times 9$$

A	12^9	B	13^6	C	5^9
D	9^5	E	9^4	F	9^6

- 4 What picture shows the meaning of this exponent expression?
- $$9^3$$

A 	B
C 	D



Use exponents to write repeated multiplication

5 Find the expanded form of this number raised to its exponent

$$9^4$$

A 9×9

B $9 \times 9 \times 9 \times 9 \times 9 \times 9$

C $9 \times 9 \times 9$

D $9 \times 9 \times 9 \times 9$

E $9 \times 9 \times 9 \times 9 \times 9$

F $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$

6 What equation is the equivalent of this exponent expression?

$$11^3$$

A $3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$

B $11 \times 11 \times 11 \times 11 \times 11$

C $11 \times 11 \times 11$

D 11

E $11 \times 11 \times 11 \times 11$

F 11×11

7 Find the simplified form of this number raised to its exponent

$$10 \times 10 \times 10 \times 10 \times 10$$

A 5^{10}

B 14^7

C 10^5

D 10×5

E 10^6

F 10^4

8 Find the simplified form of this number raised to its exponent

$$8 \times 8 \times 8 \times 8 \times 8$$

A 9^8

B 8^5

C 8^4

D 11^6

E 5^8

F 8^6

9 Find the expanded form of this number raised to its exponent

$$2^5$$

A $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

B 5×5

C $2 \times 2 \times 2 \times 2 \times 2$

D $2 \times 2 \times 2 \times 2$

E $2 \times 2 \times 2 \times 2 \times 2 \times 2$

**Use exponents to write repeated multiplication**

10 What equation is the equivalent of this exponent expression?
 9^1

A

9×9

B

9

C

$1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1 \times 1$

D

$9 \times 9 \times 9$

E

$\frac{1}{9}$

F

1

11 Find the simplified form of this number raised to its exponent

$10 \times 10 \times 10$

A

14^7

B

10×3

C

10^4

D

3^{10}

E

10^2

F

10^3

12 Find the expanded form of this number raised to its exponent

3^5

A

$3 \times 3 \times 3 \times 3$

B

$3 \times 3 \times 3$

C

$3 \times 3 \times 3 \times 3 \times 3 \times 3$

D

$3 \times 3 \times 3 \times 3 \times 3$

E

$5 \times 5 \times 5$

F

$3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$