

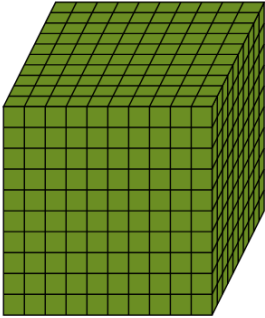
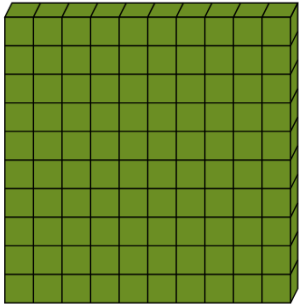


Interpret powers with whole-number exponents

**1**

What picture shows the meaning of this exponent expression?

$$10^3$$

A 	B 
C 	D 

2

What equation is the equivalent of this exponent expression?

$$5^3$$

A $3 \times 3 \times 3 \times 3 \times 3$	B 5×5
C 5	D $5 \times 5 \times 5$
E $5 \times 5 \times 5 \times 5$	F $5 \times 5 \times 5 \times 5 \times 5$

3

Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{2}\right)^3$$

A $\frac{3}{6}$	B $\frac{3}{5}$	C $\frac{1}{6}$
D $\frac{1}{32}$	E $\frac{1}{8}$	F $\frac{3}{11}$

4

Find the expanded form of this number raised to its exponent

$$7^2$$

A 7×7	B $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$
C 7	D 1
E $7 \times 7 \times 7$	F $7 \times 7 \times 7 \times 7$



Interpret powers with whole-number exponents

5

Find the simplified form of this number raised to its exponent

$$7 \times 7$$

A	7×2	B	7^2
C	9^5	D	7^3
E	2^7	F	11^6

6

Find the answer when this number is raised to its exponent

$$2^4$$

A	16	B	8	C	4
D	19	E	64	F	32

7

Find the answer when this fraction is multiplied as shown

$$\left(-\frac{1}{2}\right) \cdot \left(-\frac{1}{2}\right) \cdot \left(-\frac{1}{2}\right)$$

A	$-\frac{1}{4}$	B	$-\frac{1}{8}$	C	$\frac{2}{6}$
D	$-\frac{1}{11}$	E	$\frac{1}{16}$	F	$-\frac{4}{6}$

8

Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{7}\right)^2$$

A	$\frac{4}{7}$	B	$\frac{2}{14}$	C	$\frac{1}{9}$
D	$\frac{1}{49}$	E	$\frac{3}{9}$	F	$\frac{2}{7}$

9

Find the expanded form of this number raised to its exponent

$$5^2$$

A	1	B	5
C	5×5	D	$2 \times 2 \times 2 \times 2 \times 2$
E	$5 \times 5 \times 5 \times 5$	F	$5 \times 5 \times 5$

10

Find the simplified form of this number raised to its exponent

$$4 \times 4$$

A	6^3	B	6^5	C	7^3
D	2^4	E	4^2	F	8^6

11

Find the answer when this number is raised to its exponent

$$2^5$$

A	128	B	16	C	8
D	64	E	32	F	10

12

Find the answer when this fraction is multiplied as shown

$$\left(-\frac{1}{3}\right) \cdot \left(-\frac{1}{3}\right) \cdot \left(-\frac{1}{3}\right)$$

A	$\frac{1}{6}$	B	$\frac{1}{9}$	C	$-\frac{1}{27}$
D	$\frac{1}{30}$	E	$\frac{1}{81}$	F	$-\frac{3}{9}$