

**Evaluate powers with integer exponents**

- 1** Multiply -5s as shown. Remember that $-5 \times -5 = 25$
 $-5 \times -5 \times -5 \times -5 \times -5 \times -5 = ?$

A
15,625

B
-15,625

- 2** Find the answer when this fraction is multiplied as shown

$$\left(\frac{1}{9}\right) \cdot \left(\frac{1}{9}\right)$$

A
 $\frac{1}{729}$

B
 $\frac{2}{729}$

C
 $\frac{1}{84}$

D
1

E
 $\frac{2}{78}$

F
 $\frac{1}{81}$

- 3** Find the answer when this fraction is multiplied as shown

$$\left(\frac{11}{6}\right) \cdot \left(\frac{11}{6}\right)$$

A
13

B
 $\frac{22}{216}$

C
 $\frac{13}{1,296}$

D
 $\frac{121}{36}$

E
 $\frac{118}{6}$

F
 $\frac{22}{6}$

- 4** Find the answer when this fraction is raised to its exponent

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

A
 $\frac{7}{0}$

B
 $\frac{1}{4}$

C
 $-\frac{7}{0}$

D
 $\frac{1}{0}$

E
0

F
 $\frac{2}{7}$

- 5** Find the answer when this fraction is raised to its exponent

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

A
 $-\frac{1}{30}$

B
 $-\frac{3}{243}$

C
 $-\frac{3}{81}$

D
 $-\frac{1}{243}$

E
 $-\frac{1}{27}$

F
 $\frac{1}{9}$

- 6** What is another way of representing this number raised to a negative exponent?

$$4^{-5}$$

A
 $\frac{-1}{4^5}$

B
 $\frac{-1}{5^4}$

C
 $\frac{1}{5^4}$

D
 $\frac{4}{5^{-1}}$

E
 $\frac{1}{4^5}$

F
 $\frac{4}{5^4}$

- 7** What is another way of representing this number raised to a negative exponent?

$$(-2)^{-4}$$

A
 $\frac{1}{2^4}$

B
 $\frac{-1}{2^4}$

C
 $\frac{1}{4^2}$

D
 $\frac{-1}{4^2}$

E
 $\frac{2}{4^2}$

F
 $\frac{2}{4^{-1}}$

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Find the answer when this number is multiplied by itself as shown

$$(-6) \times (-6) \times (-6)$$

A -6	B 36	C -216
D -213	E 1,296	F -18

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Find the answer when this number is raised to its exponent

$$(-9)^{-2}$$

A $\frac{1}{81}$	B 6561
C $\frac{1}{729}$	D $-\frac{1}{18}$
E 18	F 81

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Find the answer when this number is raised to its exponent

$$2^{-3}$$

A 5	B 16	C $\frac{1}{4}$
D $\frac{1}{8}$	E 6	F $\frac{1}{2}$

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Find the answer when this fraction is raised to its exponent

$$\left(\frac{-10}{7}\right)^2$$

A $\frac{103}{7}$	B $\frac{97}{14}$	C $\frac{1}{343}$
D $\frac{100}{49}$	E $\frac{97}{9}$	F $-\frac{10}{14}$

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Find the answer when this number is raised to its exponent

$$6^3$$

A 1,296	B 18	C 9
D 7,776	E 36	F 216

13

Find the answer when this number is raised to its exponent

$$(-2)^5$$

A -32	B 16	C -10
D -29	E -35	F 64

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Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{2}\right)^4$$

A $\frac{1}{4}$	B $\frac{1}{8}$	C $\frac{4}{32}$
D $\frac{1}{64}$	E $\frac{5}{6}$	F $\frac{1}{16}$