**Apply the power-of-a-quotient rule****1**

Cancel out terms to find the final result

$$\frac{b \times b \times b \times b \times b \times b \times b}{b \times b \times b \times b}$$

A $b \times b \times b \times b \times b \times b \times b \times b \times b$

B $b \times b \times b$

2

Find the answer when this fraction is raised to its exponent

$$\left(\frac{6}{3}\right)^2$$

A $\frac{1}{6}$	B 1	C $\frac{36}{9}$
D $\frac{39}{5}$	E $\frac{216}{3}$	F $\frac{12}{3}$

3

Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{4}\right)^3$$

A $\frac{3}{1,024}$	B $\frac{3}{16}$	C $\frac{3}{12}$
D $\frac{1}{64}$	E $\frac{1}{4}$	F $\frac{1}{7}$

4

Find the answer when this fraction is raised to its exponent

$$\left(\frac{6}{4}\right)^2$$

A $\frac{1,296}{64}$	B $\frac{33}{256}$
C $\frac{33}{64}$	D $\frac{36}{16}$
E $\frac{1}{8}$	F 216

5

Find the answer when this fraction is raised to its exponent

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

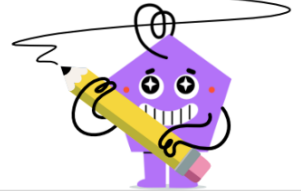
A $\frac{16}{13}$	B $\frac{1}{6}$	C 4
D 2	E $\frac{2}{8}$	F $\frac{4}{16}$

6

Find the answer when this fraction is raised to its exponent

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

A $\frac{4}{81}$	B $\frac{1}{27}$	C $\frac{1}{243}$
D $-\frac{2}{243}$	E $\frac{3}{3}$	F $\frac{4}{3}$

**Apply the power-of-a-quotient rule****7**

Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{8}\right)^2$$

A

$$\frac{1}{16}$$

B

$$\frac{1}{4,096}$$

C

$$\frac{2}{61}$$

D

$$\frac{1}{64}$$

E

$$\frac{2}{10}$$

F

$$\frac{2}{512}$$

8

Find the answer when this fraction is raised to its exponent

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

A

$$\frac{256}{2}$$

B

$$\frac{64}{16}$$

C

$$6$$

D

$$\frac{16}{4}$$

E

$$\frac{256}{16}$$

F

$$256$$

9

Find the answer when this fraction is raised to its exponent

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

A

$$\frac{3}{5}$$

B

$$\frac{3}{6}$$

C

$$\frac{3}{11}$$

D

$$\frac{1}{8}$$

E

$$\frac{1}{6}$$

F

$$\frac{1}{32}$$

10

Find the answer when this fraction is raised to its exponent

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

A

$$\frac{1}{2}$$

B

$$\frac{6}{7}$$

C

$$\frac{3}{8}$$

D

$$\frac{9}{4}$$

E

$$\frac{81}{4}$$

F

$$6$$

11

Find the answer when this fraction is raised to its exponent

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

A

$$\frac{2}{7}$$

B

$$\frac{2}{14}$$

C

$$\frac{3}{9}$$

D

$$\frac{1}{9}$$

E

$$\frac{4}{7}$$

F

$$\frac{1}{49}$$

12

Find the answer when this fraction is raised to its exponent

$$\left(\frac{2}{5}\right)^2$$

A

$$\frac{2}{625}$$

B

$$2$$

C

$$\frac{8}{125}$$

D

$$\frac{7}{5}$$

E

$$\frac{4}{25}$$

F

$$\frac{4}{125}$$