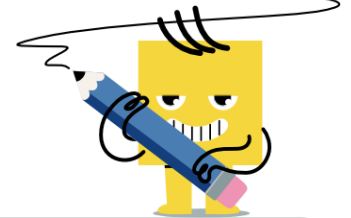




## Exponents - Negative Fractional Base



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

$$\left(\frac{-8}{4}\right)^2$$

|                 |                  |                 |
|-----------------|------------------|-----------------|
| A               | B                | C               |
| $-16$           | $\frac{8}{19}$   | $\frac{16}{8}$  |
| D               | E                | F               |
| $-\frac{8}{64}$ | $-\frac{16}{64}$ | $\frac{64}{16}$ |

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

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

|                 |                  |                |
|-----------------|------------------|----------------|
| A               | B                | C              |
| $\frac{64}{4}$  | $\frac{512}{16}$ | $\frac{6}{4}$  |
| D               | E                | F              |
| $-\frac{16}{2}$ | $-\frac{8}{2}$   | $\frac{16}{4}$ |

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

$$\left(\frac{-6}{8}\right)^2$$

|                 |                 |                    |
|-----------------|-----------------|--------------------|
| A               | B               | C                  |
| $-12$           | $\frac{36}{64}$ | $\frac{6}{16}$     |
| D               | E               | F                  |
| $-\frac{6}{67}$ | $-\frac{12}{8}$ | $\frac{12}{4,096}$ |

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

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

|                 |                   |                   |
|-----------------|-------------------|-------------------|
| A               | B                 | C                 |
| $\frac{64}{27}$ | $\frac{67}{81}$   | $\frac{1,024}{3}$ |
| D               | E                 | F                 |
| $-\frac{1}{9}$  | $\frac{256}{243}$ | $\frac{12}{6}$    |

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

$$\left(\frac{-7}{8}\right)^2$$

|                 |                   |                 |
|-----------------|-------------------|-----------------|
| A               | B                 | C               |
| $\frac{7}{8}$   | $\frac{343}{512}$ | $\frac{5}{16}$  |
| D               | E                 | F               |
| $\frac{49}{64}$ | $-\frac{14}{16}$  | $\frac{14}{61}$ |

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

$$\left(\frac{-7}{5}\right)^2$$

|                     |                 |                |
|---------------------|-----------------|----------------|
| A                   | B               | C              |
| $\frac{2,401}{125}$ | $\frac{49}{25}$ | $\frac{14}{7}$ |
| D                   | E               | F              |
| $-\frac{7}{10}$     | $-\frac{5}{10}$ | $-7$           |

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

$$\left(\frac{-3}{7}\right)^2$$

|                 |                    |                 |
|-----------------|--------------------|-----------------|
| A               | B                  | C               |
| $\frac{6}{343}$ | $\frac{9}{49}$     | $\frac{81}{14}$ |
| D               | E                  | F               |
| $\frac{12}{7}$  | $-\frac{6}{2,401}$ | $-\frac{3}{7}$  |

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

$$\left(\frac{-4}{2}\right)^3$$

|                  |                 |                 |
|------------------|-----------------|-----------------|
| A                | B               | C               |
| $\frac{256}{16}$ | $\frac{12}{32}$ | $\frac{16}{4}$  |
| D                | E               | F               |
| $-\frac{12}{6}$  | $\frac{256}{2}$ | $-\frac{64}{8}$ |