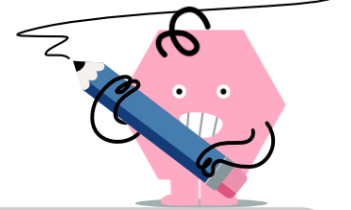# Exponents - Negative Exponents

Name _____

1 Find the answer when this number is raised to its exponent

$$2^{-3}$$

A $\dfrac{1}{16}$	B $\dfrac{1}{32}$	C $\dfrac{1}{8}$
D $\dfrac{1}{4}$	E $\dfrac{1}{2}$	F $\dfrac{1}{5}$

2 Find the answer when this number is raised to its exponent

$$9^{-2}$$

A $\dfrac{1}{18}$	B $\dfrac{1}{81}$	C $\dfrac{1}{729}$
D $\dfrac{1}{84}$	E $\dfrac{1}{78}$	F $\dfrac{1}{1}$

3 Find the answer when this number is raised to its exponent

$$5^{-2}$$

A $\dfrac{1}{7}$	B $\dfrac{1}{125}$	C $\dfrac{1}{1}$
D $\dfrac{1}{10}$	E $\dfrac{1}{25}$	F $\dfrac{1}{5}$

4 Find the answer when this number is raised to its exponent

$$10^{-2}$$

A $\dfrac{1}{10}$	B $\dfrac{1}{1}$	C $\dfrac{1}{1000}$
D $\dfrac{1}{100}$	E $\dfrac{1}{10000}$	F $\dfrac{1}{20}$

5 Find the answer when this number is raised to its exponent

$$12^{-2}$$

A $\dfrac{1}{1728}$	B 144	C $\dfrac{1}{144}$
D $\dfrac{1}{1}$	E $\dfrac{1}{12}$	F $\dfrac{1}{24}$

6 Find the answer when this number is raised to its exponent

$$6^{-3}$$

A $\dfrac{1}{36}$	B $\dfrac{1}{7776}$	C $\dfrac{1}{9}$
D $\dfrac{1}{216}$	E $\dfrac{1}{1296}$	F $\dfrac{1}{18}$

7 Find the answer when this number is raised to its exponent

$$7^{-2}$$

A $\dfrac{1}{9}$	B $\dfrac{1}{49}$	C $\dfrac{1}{14}$
D $\dfrac{1}{343}$	E $\dfrac{1}{52}$	F $\dfrac{1}{2401}$

8 Find the answer when this number is raised to its exponent

$$3^{-4}$$

A $\dfrac{1}{9}$	B $\dfrac{1}{729}$	C $\dfrac{1}{81}$
D $\dfrac{1}{7}$	E $\dfrac{1}{12}$	F $\dfrac{1}{27}$