Math worksheet on *'Exponents - Negative Exponents, Negative Base (Level 2)'*. Part of a broader unit on *'Exponents - Negative and Fractional Bases and Exponents'*

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

$(-5)^{-3}$

a. $\frac{-1}{15}$ b. $\frac{1}{15}$ c. $\frac{-1}{125}$

d. $\frac{1}{625}$ e. $\frac{-1}{3125}$ f. $\frac{1}{25}$

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

$(-5)^{-2}$

a. $\frac{-1}{625}$ b. $\frac{-1}{7}$ c. $\frac{-1}{28}$

d. $\frac{1}{28}$ e. $\frac{-1}{10}$ f. $\frac{1}{25}$

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

$(-6)^{-2}$

a. $\frac{1}{12}$ b. $\frac{1}{39}$ c. $\frac{-1}{12}$

d. $\frac{-1}{8}$ e. $\frac{1}{216}$ f. $\frac{1}{36}$

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

$(-9)^{-2}$

a. $\frac{1}{18}$ b. $\frac{-1}{729}$ c. $\frac{-1}{6561}$

d. $\frac{-1}{84}$ e. $\frac{1}{11}$ f. $\frac{1}{81}$

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

$(-2)^{-5}$

a. $\frac{1}{16}$ b. $\frac{-1}{64}$ c. $\frac{-1}{10}$

d. $\frac{-1}{32}$ e. $\frac{1}{128}$ f. $\frac{-1}{35}$

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

$(-3)^{-2}$

a. $\frac{1}{9}$ b. $\frac{1}{6}$ c. $\frac{-1}{3}$

d. $\frac{1}{3}$ e. $\frac{-1}{12}$ f. $\frac{1}{27}$

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

$(-7)^{-2}$

a. $\frac{-1}{343}$ b. $\frac{-1}{9}$ c. $\frac{-1}{7}$

d. $\frac{1}{7}$ e. $\frac{1}{49}$ f. $\frac{1}{343}$