Mobius Math Academy Name:_____

Math worksheet on *'Exponents - Division - Negative by Positive to Negative Fraction (Level 2)'*. Part of a broader unit on *'Exponents - Division - Intro'*

Learn online: app.mobius.academy/math/units/exponents_division_intro/

1 Find the answer when these terms are divided

$$\frac{n^{-8}}{n^{3}}$$

a $\frac{1}{n^{13}}$ **b** $\frac{1}{n^{12}}$ **c** $\frac{1}{n^{14}}$

d $\frac{1}{n^{11}}$ **e** $\frac{1}{n^{9}}$ **f** $\frac{1}{n^{8}}$

2 Find the answer when these terms are divided

$$\frac{y^{-6}}{y^{3}}$$

a $\frac{1}{y^{9}}$ **b** $\frac{1}{y^{11}}$ **c** $\frac{1}{y^{7}}$

d $\frac{1}{y^{8}}$ **e** $\frac{1}{y^{12}}$ **f** $\frac{1}{y^{6}}$

3 Find the answer when these terms are divided

$$\frac{p^{-6}}{p^{3}}$$

a $\frac{1}{p^{10}}$ **b** $\frac{1}{p^{11}}$ **c** $\frac{1}{p^{7}}$

d $\frac{1}{p^{12}}$ **e** $\frac{1}{p^{9}}$ **f** $\frac{1}{p^{8}}$

4 Find the answer when these terms are divided

$$\frac{x^{-7}}{x^{4}}$$

a $\frac{1}{x^{14}}$ **b** $\frac{1}{x^{12}}$ **c** $\frac{1}{x^{8}}$

d $\frac{1}{x^{11}}$ **e** $\frac{1}{x^{9}}$ **f** $\frac{1}{x^{13}}$

5 Find the answer when these terms are divided

$$\frac{d^{-7}}{d^{3}}$$

a $\frac{1}{d^{12}}$ **b** $\frac{1}{d^{10}}$ **c** $\frac{1}{d^{11}}$

d $\frac{1}{d^{8}}$ **e** $\frac{1}{d^{7}}$ **f** $\frac{1}{d^{9}}$

6 Find the answer when these terms are divided

$$\frac{c^{-8}}{c^{4}}$$

a $\frac{1}{c^{10}}$ **b** $\frac{1}{c^{11}}$ **c** $\frac{1}{c^{13}}$

d $\frac{1}{c^{12}}$ **e** $\frac{1}{c^{15}}$ **f** $\frac{1}{c^{9}}$

7 Find the answer when these terms are divided

$$\frac{c^{-6}}{c^{4}}$$

a $\frac{1}{c^{10}}$ **b** $\frac{1}{c^{12}}$ **c** $\frac{1}{c^{7}}$

d $\frac{1}{c^{9}}$ **e** $\frac{1}{c^{11}}$ **f** $\frac{1}{c^{13}}$

