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Math worksheet on *'Exponents - Unit Fraction Base (Level 1)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Intro'*

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

$$\left(\frac{1}{4}\right)^2$$

a 3 **b** $\frac{1}{16}$ **c** $\frac{1}{4}$

d $\frac{2}{4}$ **e** 1 **f** $-\frac{2}{4}$

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

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

a 3 **b** $\frac{1}{16}$ **c** 1

d $\frac{4}{2}$ **e** $\frac{1}{4}$ **f** $\frac{3}{4}$

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

$$\left(\frac{1}{6}\right)^2$$

a $\frac{1}{39}$ **b** $\frac{1}{216}$ **c** $\frac{1}{8}$

d $\frac{1}{36}$ **e** $\frac{1}{1,296}$ **f** $\frac{4}{39}$

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

$$\left(\frac{1}{5}\right)^2$$

a 1 **b** $\frac{1}{10}$ **c** $\frac{1}{25}$

d $\frac{3}{125}$ **e** $\frac{2}{5}$ **f** $\frac{2}{28}$

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

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

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

d $\frac{2}{81}$ **e** $\frac{2}{6}$ **f** 3