Higher Exponents
Powers

$(ab)^n = a^n b^n$

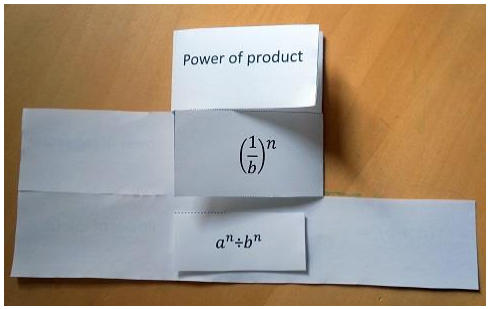
$\left(\frac{1}{b}\right)^n = \left(\frac{1}{b^n}\right)$

$(a \div b)^n = a^n \div b^n$

$a^m \cdot a^n = a^{m+n}$

$a^m \div a^n = a^{m-n}$

$(a^m)^n = a^{mn}$



Below are some interactive notebook pieces for the rules of higher exponents. Cut out the table and the answers. Cut the table along the dotted lines and fold the flaps inwards. Glue the answers in the correct area on the very inside.

Cut out the table, then cut along the dotted lines. Fold the flaps inward. Cut out the 3 solution boxes along the dotted line below. Glue in the correct position.

$(ab)^n=$		Power of product
$\left(\frac{1}{b}\right)^n$		Power of reciprocal
$(a \div b)^n=$	This is the back. ©homeschoolden.com	Power of quotient

$\left(\frac{1}{b^n}\right)$

$a^n \div b^n$

$a^n b^n$

Cut out the table, then cut along the dotted lines. Fold the flaps inward. Cut out the 3 solution boxes along the dotted line below. Glue in the correct position.

$a^m \cdot a^n =$		Product of powers (same base)
$a^m \div a^n =$		Quotient of powers (same base)
$(a^m)^n =$	This is the back. ©homeschoolden.com	Power of powers

a^{mn}

a^{m+n}

a^{m-n}