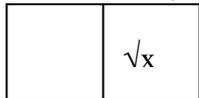# Dominoes

The cards which make up this activity match to complete a loop. This way if students make an error they will not be able to complete the loop.

As an extension, students can be asked to make their own domino loop in a similar style on blank cards and then pass it onto another group to put together.

Another alternative activity involves giving each pair of students a starting domino such as [$\quad$ | $\sqrt{x}$] and a number of blank cards.

Students then take it in turns to write a domino that follows. This could even be done as a whole class activity on going throughout a lesson.

$x^{-\frac{3}{2}}$	$\dfrac{1}{x^2}$	x^{-3}	$\sqrt{x} \times x^3$
$x^{\frac{7}{2}}$	$\dfrac{1}{\sqrt{x}}$	x^5	$\dfrac{1}{x^3}$
$x^{\frac{5}{2}}$	$\dfrac{1}{x}$	x^{-2}	$\sqrt{x}$
$x^{\frac{1}{2}}$	$\dfrac{x^2}{x^{-3}}$	$x^{-\frac{1}{2}}$	$\sqrt[3]{x}$
$x^{\frac{1}{3}}$	$\dfrac{x^3}{\sqrt{x}}$	x^{-4}	$\left(\sqrt{x}\right)^4$
x^4	$\dfrac{x^2}{x^{-1}}$	x^3	$\sqrt{x^3}$
x^2	x^0	$x^{\frac{3}{2}}$	$\dfrac{1}{x^{-4}}$
1	$\left(\dfrac{1}{\sqrt{x}}\right)^3$	x^{-1}	$x \times \dfrac{1}{x^5}$