

More Simplifying Surds

(a)	(b)	(c)	(d)
Show that $\sqrt{54} = 3\sqrt{6}$	Show that $\sqrt{75} = 5\sqrt{3}$	Show that $\sqrt{160}$ can be written as $k\sqrt{10}$ where k is to be found	Show that $\sqrt{98}$ can be written as $k\sqrt{2}$ where k is to be found
(e)	(f)	(g)	(h)
Write $5\sqrt{8}$ in the form $k\sqrt{2}$, where k is an integer to be found	Simplify $3\sqrt{20}$	Simplify $8\sqrt{12}$	Write $10\sqrt{24}$ in the form $k\sqrt{6}$, where k is an integer to be found
(i)	(j)	(k)	(l)
Write $\sqrt{8} \times 2\sqrt{5}$ in the form $k\sqrt{10}$ where k is an integer to be found	Write $\sqrt{15} \times \sqrt{5}$ in the form $k\sqrt{3}$ where k is an integer to be found	Write $\frac{\sqrt{200}}{\sqrt{5}}$ as a fully simplified surd	Write $\frac{\sqrt{12a} \times \sqrt{5a}}{\sqrt{10}}$ in its simplest form