

Multiplying, Dividing and Simplifying Surds

(a)	(b)	(c)	(d)	(e)
Simplify $\sqrt{5} \times \sqrt{7}$ $\sqrt{35}$	Simplify $\sqrt{3} \times \sqrt{27}$ 9	Simplify $\sqrt{10} \div \sqrt{2}$ $\sqrt{5}$	Simplify $\frac{\sqrt{27}}{\sqrt{3}}$ 3	Simplify $\sqrt{2} \times \sqrt{10} \times \sqrt{5}$ 10
(f)	(g)	(h)	(i)	(j)
Simplify $2\sqrt{3} \times 4\sqrt{7}$ $8\sqrt{21}$	Simplify $\sqrt{5} \times 8\sqrt{2}$ $8\sqrt{10}$	Simplify $3\sqrt{5} \times 4\sqrt{5}$ 60	Simplify $\frac{9\sqrt{6}}{3\sqrt{2}}$ $3\sqrt{3}$	Simplify $\frac{\sqrt{48}}{\sqrt{3}}$ 4
(k)	(l)	(m)	(n)	(o)
Simplify $\frac{10\sqrt{24}}{5\sqrt{6}}$ 4	Simplify $\sqrt{12}$ $2\sqrt{3}$	Simplify $\sqrt{28}$ $2\sqrt{7}$	Simplify $\sqrt{35}$ $\sqrt{35}$	Simplify $\sqrt{108}$ $6\sqrt{3}$
(p)	(q)	(r)	(s)	(t)
Express $\sqrt{90}$ in the form $a\sqrt{10}$ where a is an integer $3\sqrt{10}$	Express $\sqrt{75}$ in the form $a\sqrt{3}$ where a is an integer $5\sqrt{3}$	Express $\sqrt{125}$ in the form $a\sqrt{5}$ where a is an integer $5\sqrt{5}$	Simplify $\frac{\sqrt{200}}{5}$ $2\sqrt{2}$	Simplify $\frac{\sqrt{112}}{2}$ $2\sqrt{7}$