

Crack the Code

Rationalising the Denominator

A	$\frac{\sqrt{2}}{\sqrt{5}} = \frac{\sqrt{10}}{\square}$	B	$\frac{14\sqrt{3}}{\sqrt{2}} = \square\sqrt{6}$
C	$\frac{\sqrt{3}}{2\sqrt{7}} = \frac{\sqrt{\square}}{14}$	D	$\frac{4\sqrt{3}}{\sqrt{15}} = \frac{\square\sqrt{\square}}{5}$
E	$\frac{6\sqrt{10}}{\sqrt{3}} = 2\sqrt{\square}$	F	$\frac{4 + \sqrt{3}}{\sqrt{5}} = \frac{4\sqrt{5} + \sqrt{\square}}{\square}$
G	$\frac{9 - \sqrt{2}}{\sqrt{2}} = \frac{-2 + \square\sqrt{2}}{\square}$	H	$\frac{\sqrt{3} + \sqrt{5}}{\sqrt{5}} = \frac{\square + \sqrt{15}}{5}$
I	$\frac{2 + \sqrt{6}}{3\sqrt{3}} = \frac{2\sqrt{3} + \square\sqrt{\square}}{9}$	J	$\frac{9\sqrt{6} - 6}{3\sqrt{2}} = \square\sqrt{3} - \sqrt{\square}$
K	$\frac{\sqrt{3} + 4\sqrt{10}}{2\sqrt{3}} = \frac{3 + 4\sqrt{\square}}{\square}$	L	$\frac{2}{1 + \sqrt{2}} = \square\sqrt{2} - \square$
M	$\frac{\sqrt{6}}{2 - \sqrt{3}} = \square\sqrt{2} + \square\sqrt{6}$	N	$\frac{3\sqrt{2}}{4 + \sqrt{6}} = \frac{6\sqrt{\square} - \square\sqrt{3}}{5}$
P	$\frac{18\sqrt{5}}{\sqrt{5} - \sqrt{2}} = \square + 6\sqrt{\square}$	Q	$\frac{2\sqrt{3} - 4}{\sqrt{3} + 1} = \square - \square\sqrt{3}$
R	$\frac{\square + \sqrt{8}}{4 - \sqrt{2}} = \frac{6 + \square\sqrt{2}}{7}$	S	$\frac{3 + \sqrt{5}}{\sqrt{5} - 2} = \sqrt{\square} + \sqrt{\square}$
T	$\frac{\square + \sqrt{a}}{5 - \sqrt{a}} = \frac{20 + 9\sqrt{a} + a}{\square - a}$	U	$\frac{3\sqrt{c} - \sqrt{d}}{\sqrt{c} + 2\sqrt{d}} = \frac{3c + 2d - \square\sqrt{cd}}{c - \square d}$

Add together all the values in the boxes to give the three-digit code.