Name: KEY

Section 1.2a – Proficiency Check

Use a Factor Tree or another logical method to demonstrate the square or cube root of the following

Emerging	Proficient	Extending
$\sqrt{676}$ 2 338 2 169 13 13 $2\cdot13\cdot2\cdot13$ 26 26 26	$\sqrt{961}$ 30^2 40^2 Either 31 39 31 39 31 930 961 31	$\sqrt{3249}$ 50^2 60^2 Either 53 57 53 57 399 2850 3249 57
$\sqrt[3]{64}$ 4 16 4 4 4	$\sqrt[3]{3375}$ 5 675 5 135 5 27 3 9 3 3 $3\cdot5\cdot3\cdot5\cdot3\cdot5$ 15 15 15 15	$\sqrt[3]{13824}$ 2 6912 2 3456 2 1728 2 864 2 432 2 216 2 108 2 54 6 9 2 3 3 $2\cdot2\cdot2\cdot3$ 24