



Simplifying Surds (2)

1 The 3x3 grid below contains nine surds.

There are four pairs of equivalent surds, write these pairs in the table.

$2\sqrt{3}$	$5\sqrt{2}$	$2\sqrt{5}$
$3\sqrt{2}$	$\sqrt{18}$	$\sqrt{12}$
$\sqrt{20}$	$4\sqrt{5}$	$\sqrt{50}$

2 Write the surd from question 1 that isn't in a pair in the form \sqrt{a} .

3 Write the following surds in the form \sqrt{a} .

a) $2\sqrt{2}$

b) $3\sqrt{2}$

c) $6\sqrt{2}$

d) $6\sqrt{3}$

e) $6\sqrt{4}$

f) $6\sqrt{8}$

g) $7\sqrt{8}$

h) $8\sqrt{7}$

i) $8\sqrt{28}$

j) $4\sqrt{112}$

k) $8\sqrt{56}$

l) $\sqrt{64}\sqrt{56}$