Ratio Problems with Surds 2

ACCESS MATHS

Write each ratio in its simplest form.

$\sqrt{20} : \sqrt{45}$

$\sqrt{63} : \sqrt{28} : \sqrt{175}$

a = $\sqrt{11} + \sqrt{c}$

b = $\sqrt{44} + \sqrt{d}$

Given that c:d is in the ratio 1:4

Find the ratio a:b

a = $\sqrt{3} + \sqrt{c}$

b = $\sqrt{48} + \sqrt{d}$

Given that c:d is in the ratio 1:16

Find the ratio a:b

a = $\sqrt{7} + \sqrt{c}$

b = $\sqrt{63} + \sqrt{d}$

Given that c:d is in the ratio 1:9

Find the ratio a:b

a = $\sqrt{12} + \sqrt{c}$

b = $\sqrt{192} + \sqrt{d}$

Given that c:d is in the ratio 1:4

Find the ratio a:b

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