

Ratios from the apartments of the Garden Houses of Ostia

Measurements	ratio	closest sacred cut ratio
41, 58	$\frac{41}{58} \approx .7068965517$	$\frac{1}{\sqrt{2}} \approx .7071067810$
28, 58	$\frac{28}{58} \approx .48275862$	$\sqrt{2} - 1 \approx .414213562$
17, 58	$\frac{17}{58} \approx .2931034483$	$1 - \sqrt{2}/2 \approx .2928932190$
28, 41	$\frac{41}{28} \approx 1.464285714$	$\sqrt{2} \approx 1.414213562$
17, 41	$\frac{17}{41} \approx .41463415$	$\sqrt{2} - 1 \approx .414213562$
17, 28	$\frac{17}{28} \approx .60714286$	$\frac{1}{\sqrt{2}} \approx .7071067810$
7, 28	$\frac{7}{28} = .25$	$1 - \sqrt{2}/2 \approx .2928932190$
7, 17	$\frac{7}{17} \approx .4117647059$	$\sqrt{2} - 1 \approx .414213562$
5, 17	$\frac{5}{17} \approx .2941176471$	$1 - \sqrt{2}/2 \approx .2928932190$
5,7	$\frac{5}{7} \approx .7142857143$	$\frac{1}{\sqrt{2}} \approx .7071067810$

Important Question:

All of the above ratios are pretty close to one of the Sacred Cut ratio; those in blue are especially close. Which are close enough so that we should count them as evidence that the Garden Houses may have been built to intentionally incorporate these proportions, and which aren't?

How do we decide?