

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:

Some of these ratios are very close to the closest Sacred Cut ratio while others aren't so close. Which ones 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 (if any) aren't?

How do we decide?