The Sacred Cut ratios are listed below, along with decimal approximations for each. (You'll be discovering where each of these ratios come from in your first problem set.)

sacred cut ratios
$1 - \sqrt{2}/2 \approx .2928932190$
$\sqrt{2} - 1 \approx .414213562$
$\dfrac{1}{\sqrt{2}} \approx .7071067810$
$\dfrac{1}{\sqrt{2}} \approx 1.414213562$

The Watts found that measurements of 58, 41, 28, 17, 14, 7, and 5 Roman feet show up frequently in the individual apartments. (A Roman foot is roughly 11.61 inches).

The three ratios I found that are the closest are:

Measurements	ratio	closest sacred cut ratio
17, 58	$\dfrac{17}{58} \approx .2931034483$	$1 - \sqrt{2}/2 \approx .2928932190$
7, 17	$\dfrac{7}{17} \approx .4117647059$	$\sqrt{2} - 1 \approx .414213562$
5, 17	$\dfrac{5}{17} \approx .2941176471$	$1 - \sqrt{2}/2 \approx .2928932190$

Important Question:

When you were calculating your ratios, did you come up with any you thought were close, but I didn't list? How close *were* they? How close is close enough?