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Analysis of Standard (4x3) and Widescreen (16x9) Monitor Form Factors.

In order of increasing viewable **Area**

<u>Monitor Type</u>	<u>Viewable Diagonal</u>	<u>Horizontal</u>	<u>Vertical</u>	<u>Area</u>
17" Standard CRT	16	12.8	9.6	122.9
17" Widescreen LCD	17	14.8	8.3	123.5
17" Standard LCD	17	13.6	10.2	138.7
19" Widescreen LCD	19	16.6	9.3	154.3
19" Standard CRT	18	14.4	10.8	155.5
20" Widescreen LCD	20	17.4	9.8	170.9
19" Standard LCD	19	15.2	11.4	173.3
21" Widescreen LCD	21	18.3	10.3	188.4
22" Widescreen LCD	22	19.2	10.8	206.8
23" Widescreen LCD	23	20.0	11.3	226.0
24" Widescreen LCD	24	20.9	11.8	246.1

In order of increasing viewable **Vertical Height**

<u>Monitor Type</u>	<u>Viewable Diagonal</u>	<u>Horizontal</u>	<u>Vertical</u>	<u>Area</u>
17" Widescreen LCD	17	14.8	8.3	123.5
19" Widescreen LCD	19	16.6	9.3	154.3
17" Standard CRT	16	12.8	9.6	122.9
20" Widescreen LCD	20	17.4	9.8	170.9
17" Standard LCD	17	13.6	10.2	138.7
21" Widescreen LCD	21	18.3	10.3	188.4
22" Widescreen LCD	22	19.2	10.8	206.8
19" Standard CRT	18	14.4	10.8	155.5
23" Widescreen LCD	23	20.0	11.3	226.0
19" Standard LCD	19	15.2	11.4	173.3
24" Widescreen LCD	24	20.9	11.8	246.1

- A 17" Widescreen (16x9) LCD has about the same viewable area as a Standard (4x3) "old-fashioned" 17" (16" viewable) CRT, **but** to get the same vertical dimension (height) a 20" Widescreen LCD is required.

- Comparing LCD panels, to get the same height as a 17" Standard LCD, you need a 21" Widescreen LCD.

- CRT viewable is about 1" less than than specified diagonal picture tube size, but LCD viewable is equal to specified diagonal size.