

Which size HDTV do you think is the best deal?

Each TV is the same type, same manufacturer, with similar features. The only notable difference is the size of the HDTV. Give your choice and explain your reasoning below.



[Sony Internet TV KDL-50R550A - 50" LED TV - 1080p \(FullHD\)](#)

\$948.00 from 10+ stores

★★★★★ 273 product reviews

March 2013 · Sony · LED · 50 inch · High Definition · Smart TV · 1080p · 1920 x 1080 · 3D · 4 HDMI port · 41 pound · 178° viewing angle · CEC Enabled · 9.2 inch deep · 24p Playback

Other size options: 60 in (\$1,369)



[Sony Internet TV KDL-70R550A - 70" LED TV - 1080p \(FullHD\)](#)

\$2,299.99 from 25+ stores

★★★★★ 58 product reviews

March 2013 · Sony · LED · 70 inch · High Definition · Smart TV · 1080p · 1920 x 1080 · 3D · 4 HDMI port · 83.8 pound · 176° viewing angle · CEC Enabled · 14.9 inch deep · 24p Playback



[Sony Internet TV KDL-60R520A - 60" LED TV - 1080p \(FullHD\)](#)

\$1,398.00 from 10+ stores

March 2013 · Sony · LED · 60 inch · High Definition · Smart TV · 1080p · 1920 x 1080 · 4 HDMI port · 62.6 pound · 176° viewing angle · CEC Enabled · 13.3 inch deep · 24p Playback

Other size options: 70 in (\$2,200)



[Sony Internet TV KDL-32W650A - 32" LED TV - 1080p \(FullHD\)](#)

\$599.98 from 25+ stores

March 2013 · Sony · LED · 32 inch · High Definition · Smart TV · 1080p · 1920 x 1080 · 2 HDMI port · 17.2 pound · 178° viewing angle · CEC Enabled · 7.8 inch deep · 24p Playback

Images and product info from Google Shopping web search.

The size of an HDTV is determined by length of its diagonal measurement, corner to opposite corner. Some may think that a 32-inch HDTV is half the size of a 64-HDTV, but that is not the case. See the comparison below of a 32 and 64-inch HDTV.

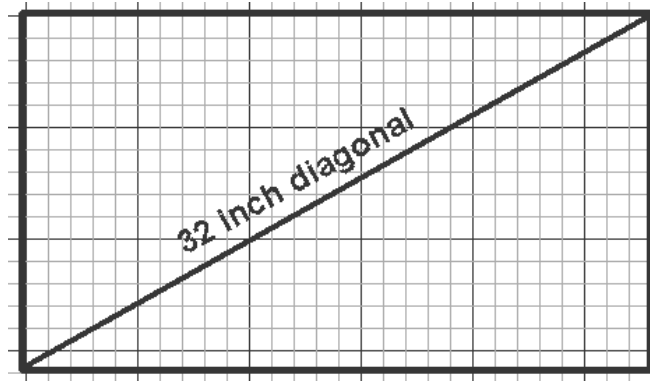


(image from <http://www.flatpanelshd.com/focus.php?subaction=showfull&id=1229341408>)

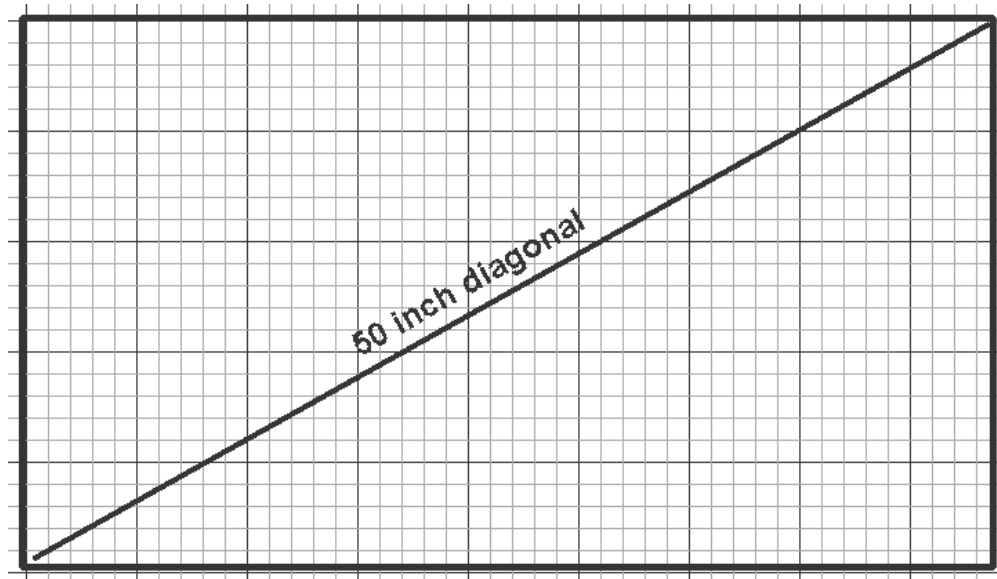
1. About how many times greater in area do you think the 64-inch is than the 32-inch?

The four TV's have been drawn to scale over grid paper. Each square represents one square inch of TV area. Use the scale drawings to determine which HDTV provides the most viewing area for the money. Rank all four HDTVs based on viewing area for the money. Explain or show your reasoning.

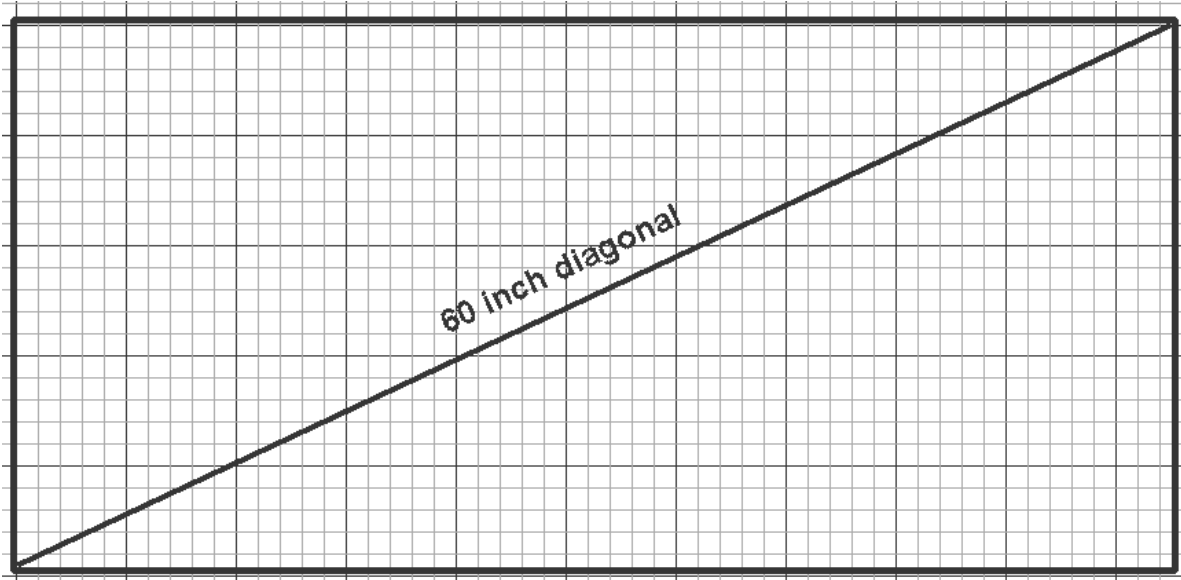
32 inch HDTV for \$600



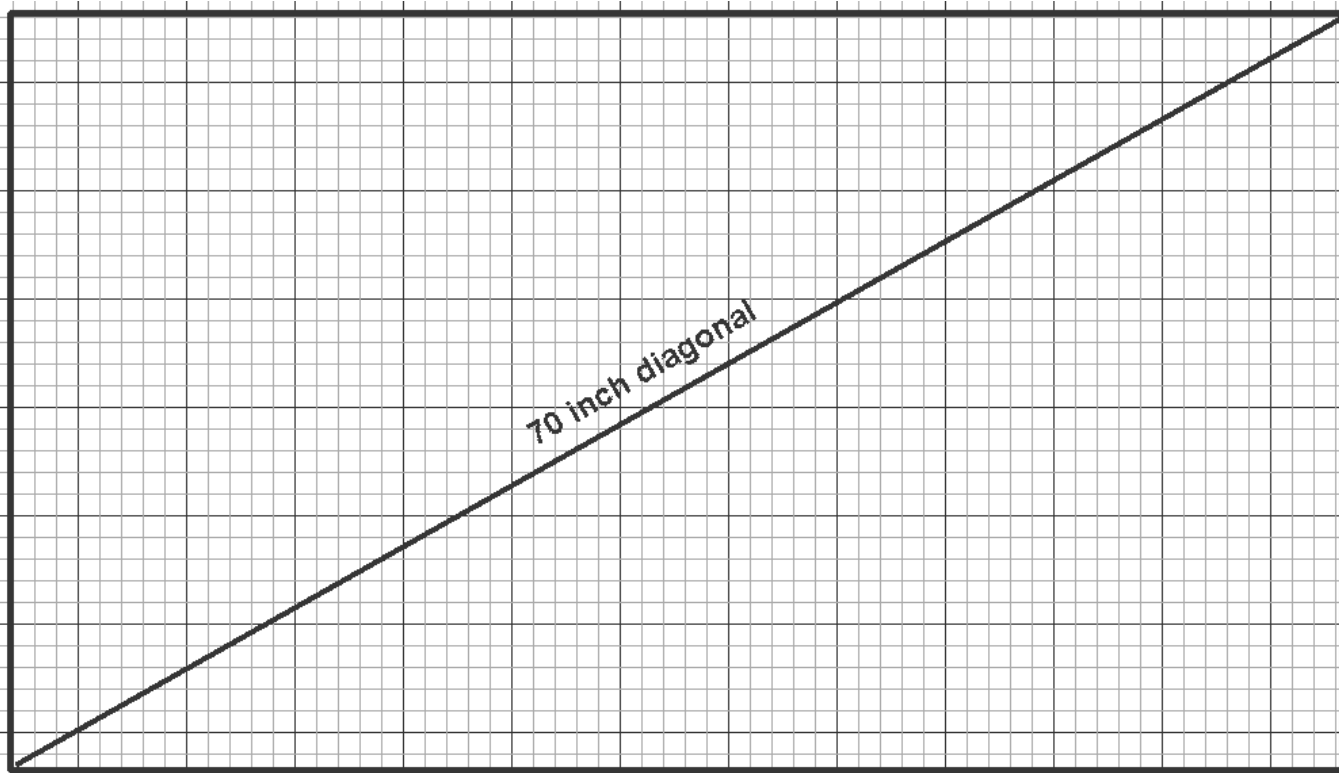
50-inch HDTV for \$948



60-inch HDTV for \$1,398



70-inch HDTV for \$2,300



2. In your opinion, is the diagonal length of an HDTV the best way to describe the size of an HDTV? What might be some other options for describing its size? How might using the diagonal length of an HDTV to describe its size be deceiving?