

Video Game Download

I decided to download a couple demo video games from the Wii online store. Both of the games are free demo versions that I download directly to my Wii console.

Watch the video to find out how long it took to download this game. The first game that I downloaded is 46 blocks large.

34 seconds.

Based on the video, about how long should it take me to download a game that is 208 blocks large. Be sure to explain how you came to your estimate.

Should be about 153 seconds. About 4.5 times longer than the first game because this game is about 4.5 times greater in size. The actual time was 152 seconds.

Watch the final video to find out how long it took to me to download this game.

How close was your estimate?

How long should it take to download a game that is;

10 blocks?

500 blocks?

Any number of blocks?

How do you know??

Blocks	Seconds	Minutes
23	17	0.28
11.5	8.5	0.14
6	4.4	0.07
3	2.2	0.04
1	0.7	0.01
10	7.4	0.12
46	34.0	0.57
69	51.0	0.85
92	68.0	1.13
184	136.0	2.27
208	153.7	2.56
500	369.6	6.16
n	$\left(\frac{17}{23}\right) \cdot n$	$\frac{\left(\frac{17}{23}\right) \cdot n}{60}$

To find the number of seconds to download any number of blocks, find 17/23 or 34/46 of the number of blocks. The number of seconds to download a game of any number of blocks is close to $\frac{3}{4}$ of the number of blocks.

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Pictures and videos taken from a Nintendo's Wii online shop, where you will find WiiWare titles and classic games available for download.