

3D Printing in the News

The company **Relativity Space** builds rockets with 3D metal printing technology. The rockets are less expensive to build and are presumably stronger because they only require **1,000** moving parts, instead of the average **100,000** parts. Tim Ellis is the man behind the technology. He built and coded the 20 foot 3D printer for the company. Read more about him and the 35 *Innovators Under 35* in the Jul/Aug issue of *MIT Technology Review*, available at the library.

Learn more about 3D printing at Ringwood Library [here](#).

Do the math:

How many fewer moving parts does one of Relativity Space's rockets have than that of an average rocket?

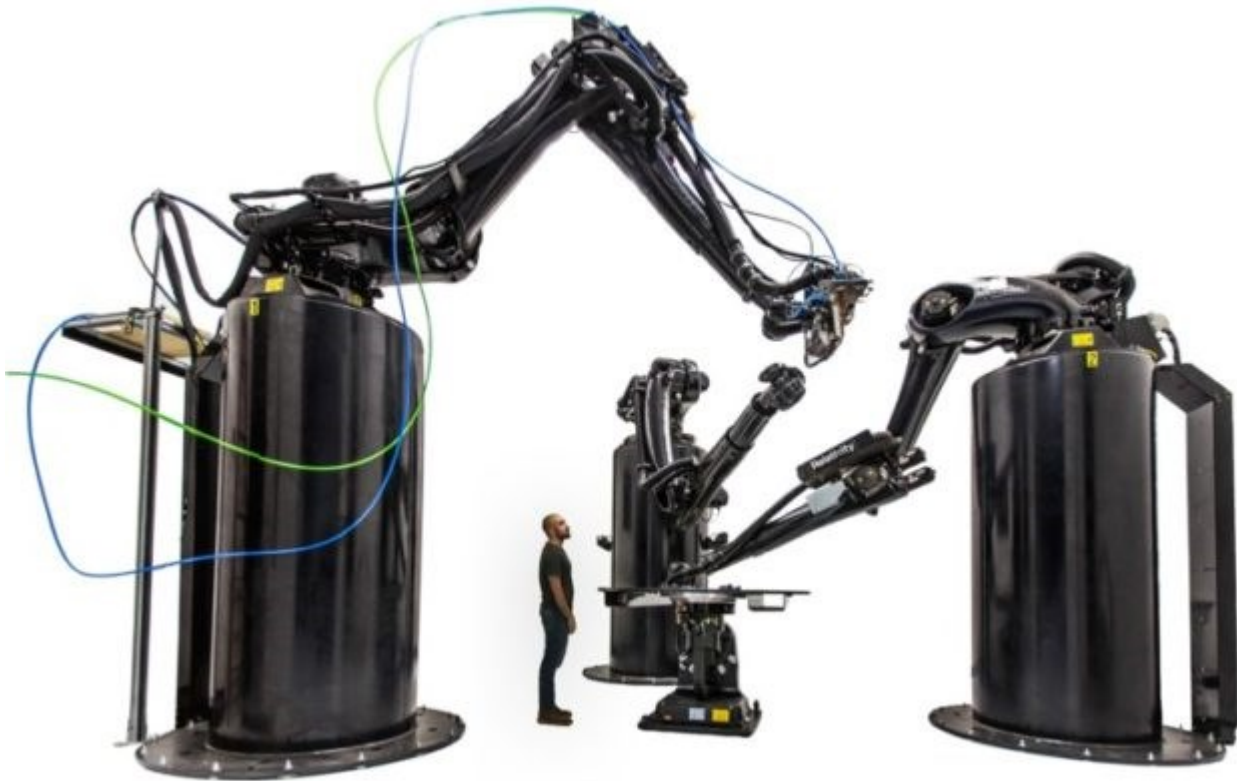
The Relativity Space Rocket has 99,000 fewer moving parts on average.

$(100,000 - 1,000 = X)$

How many times greater are the number of parts on the average rocket than on a Relativity Space rocket?

The average rocket has 100 times the amount of parts than the Relativity Space Rocket.

$(1,000 * X = 100,000 \text{ OR } 100,000 / 1,000 = X)$



Watch the story about Relativity Space and how 3D printing technology is being used in manufacturing on the [PBS News Hour](#).

Watch this [YouTube](#) Story about Relativity Space and their 3D printer.