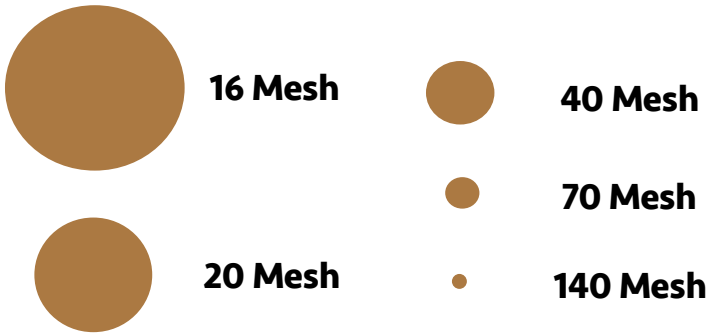


## Proppant Sizing

Proppant is sized based upon a mesh size that relates to a sieve opening size

Ranges such as 40/70 or 20/40 are used in hydraulic fracturing

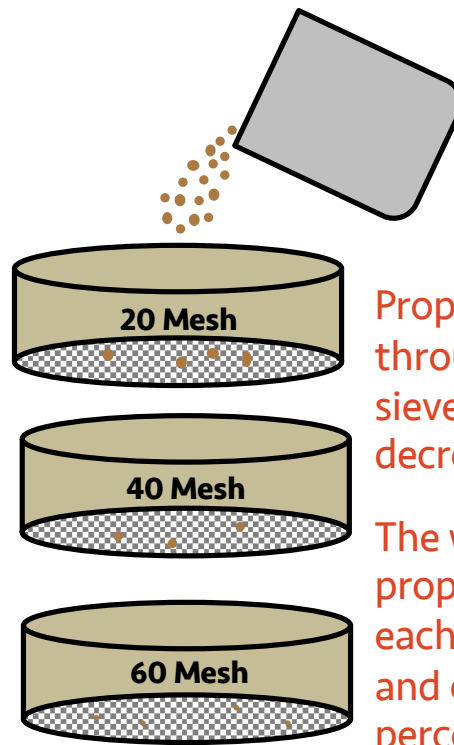
### Relative Scale of Sizes



Proppant is shown at scale relative to each size

U.S. Mesh	Sieve Opening (in)
10	0.0787
20	0.0331
30	0.0232
40	0.0165
50	0.0117
60	0.0098
70	0.0083
80	0.0070
100	0.0059
140	0.0041

### Sand Sieve



Proppant is ran through a series of sieve pans that decrease in mesh size

The weight of proppant collected in each pan is weighed and calculated as a percentage

### API Sieve Criteria

90% of the sample should fall within the designated sieve size such as 40/70

Not more than 0.1% should be larger than the first sieve size and not more than 1% should be smaller than the last sieve size