

## 4.1 Preparing a list of **metrics**

# mountain bike suspension fork

ID	IUR	Imp.
1	The suspension shall reduce vibration to the hands	3
2	The suspension shall allow easy traversal of slow, difficult terrain	2
3	The suspension shall enable high-speed descents on bumpy trails	5
4	The suspension shall allow sensitivity adjustment	3
5	The suspension shall preserve the steering characteristics of the bike	4
6	The suspension shall remain rigid during hard cornering	4
7	The suspension shall be lightweight	4
8	The suspension shall provide stiff mounting points for the brakes	2
9	The suspension shall fit a wide variety of bikes, wheels, and tires	5
10	The suspension shall be easy to install	1
11	The suspension shall work with fenders	1
12	The suspension shall instill pride	5
13	The suspension shall be affordable for an amateur enthusiast	5
14	The suspension shall be not contaminated by water	5
15	The suspension shall be not contaminated by grunge	5
16	The suspension can be easily accessed for maintenance	3
17	The suspension shall allow easy replacement of worn parts	1
18	The suspension can be maintained with readily available tools	3
19	The suspension shall last a long time	5
20	The suspension shall be safe in a crash	5

