|  |  |  |
| --- | --- | --- |
|  |  |  |
| **I = 2 A**  **d = 100 m**  **m = 20 kg** | **I = 0.5 A**  **d = 1000 m**  **m = 1 kg** | **I = 1 A**  **d = 20 m**  **m = 50 kg** |
|  |  |  |
| **I = 0.25 A**  **d = 1 m**  **m = 8 kg** | **I = 8 A**  **d = 5 m**  **m = 11 kg** | **I = 12 A**  **d = 30 m**  **m = 50 kg** |
|  |  |  |
| **I = 6 A**  **d = 500 m**  **m = 90 kg** | **I = 2 A**  **d = 150 m**  **m = 6 kg** | **I = 0.1 A**  **d = 45 m**  **m = 70 kg** |

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **P= 75 W**  **R = 2 ohms**  **d = 90 m**  **m = 10 kg** | **P= 60 W**  **R = 5 ohms**  **s = 20 ms-1**  **m = 25 kg** | **P= 15 W**  **R = 4 ohms**  **d = 8 m**  **m = 75 kg** |
|  |  |  |
| **P= 100 W**  **R = 6 ohms**  **s = 16 ms-1**  **a = 4 ms-2** | **I = 4 A**  **d = 20 m**  **a = 1 ms-2** | **I = 7 A**  **s = 30 ms-1**  **m = 80 kg** |
|  |  |  |
| **I = 0.5 A**  **s = 25 ms-1**  **a = 2 ms-2** | **P= 1000 W**  **R = 10 ohms**  **s = 8 ms-1**  **m = 130 kg** | **P= 2000 W**  **R = 16 ohms**  **d = 9 m**  **a = 0.5 ms-2** |

|  |  |  |
| --- | --- | --- |
| V = 230 volts  t = 5 s  F = 10 N | V = 9 volts  t = 1 s  F = 200 N | V = 4.5 volts  t = 2 s  F = 100 N |
| V = 6 volts  t = 20 s  F = 15 N | V = 1.5 volts  t = 60 s  F = 1000 N | V = 120 volts  t = 30 s  F = 150 N |
| V = 12 volts  t = 15 s  F = 50 N | V = 6 volts  t = 45 s  F = 2000 N | V = 240 volts  t = 16 s  F = 1 N |

|  |  |  |
| --- | --- | --- |
| V = 230 volts  t = 8 s  F = 16 N | V = 9 volts  t = 2 s  F = 8 N | V = 4.5 volts  t = 200 s  F = 10 N |
| V = 6 volts  t = 0.5 s  F = 25 N | V = 1.5 volts  t = 150 s  F = 125 N | V = 120 volts  t = 90 s  F = 800 N |
| V = 12 volts  t = 32 s  F = 160 N | V = 6 volts  t = 240 s  F = 20 N | V = 240 volts  t = 65 s  F = 40 N |

|  |  |  |
| --- | --- | --- |
| V = 230 volts  t = 8 s  F = 80 N | V = 9 volts  t = 2 s  F = 30 N | V = 4.5 volts  t = 200 s  F = 900 N |
| V = 6 volts  t = 10 s  F = 300 N | V = 1.5 volts  t = 1 s  F = 150 N | V = 120 volts  t = 50 s  F = 60 N |
| V = 12 volts  t = 25 s  F = 350 N | V = 6 volts  t = 100 s  F = 70 N | V = 240 volts  t = 20 s  F = 2 N |

Could change some times to min/hour, also change mass, distance and speed units

Need calc

Encourage white board