

Acceleration Practice Problems

$$a = \frac{v_f - v_i}{t}$$

- 1) 0 km/h → 50 km/h in 0.05 h
- 2) 0 m/s → 33 m/s in 3 s
- 3) 60 km/h → 0 km/h in 0.4 h
- 4) 7 m/s → 0 m/s in 1 s
- 5) 10 km/h → 55 km/h in 0.09 h
- 6) 12 m/s → 36 m/s in 0.8 s
- 7) 100 km/h → 25 km/h in 0.3 h
- 8) 63 m/s → 9 m/s in 60 s
- 9) 0.5 km/h → 35 km/h in 0.5 h
- 10) 13 m/s → 16.9 m/s in 1.3 s
- 11) 243 km/h → 3 km/h in 2.4 h
- 12) 78.4 m/s → 6.4 m/s in 8 s
- 13) 0 km/h → 12.1 km/h in 0.11 h
- 14) 0.7 m/s → 78.7 m/s in 26 s
- 15) 0 km/h → 25 km/h in 18000 s
- 16) 0 m/s → 81 m/s in 0.0025 h
- 17) 144 km/h → 0 km/h in 43200 s
- 18) 126.6 km/h → 0.6 km/h in 7560 s
- 19) 72 km/h → 0 m/s in 2 s
- 20) 0 km/h → 4 m/s in 0.12 h