

- 34. 1.5 min
- 35. 330 m
- 36. 1.25×10^{-8} sec
- 37. 2880 km
- 38. 29 m
- 39. 24 m/s
- 40. 30 m/s
- 41. 390,000 J, 24.5 m/s time = 2.74 s
- 42. 392 W
- 43. 62.5 mph
- 44. $60 \text{ mph} \times (0.447 \text{ m/s/mph}) = 26.8 \text{ m/s};$
- 45. 5.1 m
- 47. 5.58 m/s/s
- 48. Total length = $10 + 1.5 = 11.5 \text{ ft}$
- 49. 1.75 s
- 50. 3.1 m
- 51. 19.1 m