

Fill in the Blanks

Vectors, Scalars and Units

Quantity	Vector or Scalar	Non-SI Units	SI Units
Mass	Scalar	528 g	0.528 kg
Time	Scalar	13 minutes	780 s
Displacement	Vector	28.3 km	28300 m
Speed	Scalar	75 cm s ⁻¹	0.75 m s ⁻¹
Distance	Scalar	4.3 × 10 ⁵ mm	430 m
Velocity	Vector	90 km h ⁻¹	25 ms ⁻¹
Acceleration	Vector	885 cm s ⁻²	8.85 ms ⁻²
Time	Scalar	5 h 18 min	19080 s
Speed	Scalar	5.4 m per minute	0.09 m s ⁻¹
Displacement	Vector	7560 mm	7.56 m
Velocity	Vector	-0.083 km s ⁻¹	-83 m s ⁻¹
Mass	Scalar	39000 mg	39 g
Volume	Scalar	480000 cm ³	0.48 m ³
Pressure	Scalar	1.5 N cm ⁻²	15000 N m ⁻²
Density	Scalar	1.12 g cm ⁻³	1120 kg m ⁻³