Name - _ _ _ _ _ _ _ _   Start time - _ _ : _ _   End time - _ _ : _ _

Solve the following

1. For each of the following, convert the compound units:

   a) £5 per gram to £ per kg
   b) £36/hour to £ per minute
   c) 54 km/h to m/s
   d) 3000 N/cm² to N/m²
   e) 830 kg/m³ to g/cm³
   f) £12/kg to pence per gram
   g) 62 m/s to metres per hour
   h) 156 m per hour to cm/s
   i) 29.25 mph to m/s

2. An object has a density of 97 g/cm3. What is the density of the object in kg/m³?

3. A train travels from Edinburgh to Newcastle at 40 m/s in 1.5 hours and from Newcastle to London at 46 m/s in 3 hours. What is the average speed in mph?

4. A car travels 81 km in 45 minutes. What is the average speed of the car in km/h?

5. A man sprints for 25 seconds with an average speed of 8 m/s. How far does he sprint?

6. A car travels 85 miles at an average speed of 34 mph. How many minutes does the journey take?

7. A 1840 kg concrete block has a volume of 0.8 m³. Calculate the density of the concrete block.

1   2   3   4   5   6   7   8   9