# Compound Measures Homework

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| 1a) A car travels 240 miles in 6 hours. Work out the average speed of the car<br><br>b) A bus has an average speed of 20mph. Work out how far it travel in 5 hours 45 minutes | 2a) An object has a mass of 32kg and volume of 8m³. Work out the density of the object<br><br>b) An object has a volume of 66m³ and density 8g/m³. Work out the mass |
| 3a) A force of 56N acts on an area of 5m². Work out the pressure<br><br>b) A force of 85N applies a pressure of 4Pa. Work out the area over which the force is applied | 4) The speed of light is $1.08 \times 10^{9}$ km/h. Mars is $5.46 \times 10^{10}$ m away. Calculate the number of seconds it takes light to Mars |

| Mark: | Grade: |
|---|---|
| I did well at: | To Improve I need to: |

Try:

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