1	Convert 11.2 kilometres into miles.			
	Use	8 km = 5 miles	[2 marks]	
		Answer	miles	

2

The heel of a shoe exerts a pressure of 198 pounds per square	e inch.
Convert this pressure into kilograms per square centimetre. Use	
1 pound = 0.45 kilograms	
1 square inch = 6.25 square centimetres	[3 marks
Answer	kg/cm ²

Tom and Adil are the two runners in a 200-metre race.	
Tom completes the race in 24 seconds.	
Adil completes the race at an average speed of 28.8 kilometres per hour.	
Who wins the race?	
You must show your working.	[3 marks

Answer _____

4 Convert 7 gallons to litres.

Use	1 gallon = 4.5 litres	[2 marks]

Answer litres

5		Jamil is on holiday in France.	
5	(a)	The cost of a room in a hostel is 27 euros.	
		Convert the cost to £	
		Use £1 = 1.2 euros	[2 marks]
		Answer £	
5 (b)	(b)	Jamil rides a motorbike. The motorbike uses one litre of petrol for every 14 miles.	
		How many litres of petrol does the motorbike use to go 168 kilometres?	
		Use 8 kilometres = 5 miles	[3 marks]
		Answerlitres	

-				•
6	(a)	Complete the statement.		[1 mark]
		2 metres =	centimetres	
6	(b)	Complete the statement.		[1 mark]
		8 kilograms =	grams	
6	(c)	Convert 24 kilometres to miles. Use 8 kilometres = 5 miles		[2 marks]
		Answer	miles	

7 Town A has

a population of 84 000 an area of 7 **square miles**.

Town B has a population density of 4695 people per square kilometre.

$$\mbox{Population density} = \frac{\mbox{population}}{\mbox{area}}$$

Which town has the greater population density?

Use 1 square mile = 2.6 square kilometres Tick a box.

Town A	Town B	

Show working to support your answer.

[3 marks]	