Exam Style Questions - Everyday Maths

i. Mr Clarke spends £50 on petrol for his car and he travels 125 miles before he needs to fill up again. What is the cost per mile?

ii. Here is part of a train timetable:

Doleham	08:15	08:37	09:21
Collington	08:21	08:45	09:33
Hampden Park	08:29	08:52	09:40
Berwick	08:41	09:02	09:53
Glyde	08:44	09:05	09:56
Bishopstone	08:50	09:11	10:02

- A train leaves Doleham at 23 minutes to 9. At what time should the train arrive at Berwick?

- Josh arrives at Hampden Park Station at 08:20. He waits for the next train to Bishopstone. How many minutes should he be waiting?

- At what time should Josh arrive in Bishopstone?

iii. An insurance company quotes these rates for travel insurance (premiums are charged per person):

	UK only	Europe	Worldwide
1 - 7 days	£6.65	£11.10	£28.60
8 - 14 days	£7.25	£11.90	£29.95
15 - 21 days	£7.95	£13.10	£31.55
22 - 28 days	£8.75	£14.40	£37.15
Winter sports in Europe insured at 2½ times Europe premium			
Double premium for people aged over 70, worldwide			

Find the cost of insurance for these people:

- Next week Mr Stewart is going on a business trip to Scotland for 5 days.

- For their honeymoon next year, Alan and Jayne are going skiing in Switzerland for 10 days.

- Mrs Chapfield, aged 72, is going to America for 3 weeks to see her daughter.

iv. Two shops, Food Mart and Jim's Store, both sell a particular brand of strawberry yoghurt. Food Mart has a promotion where you can buy 5 yoghurts for £1.80. Jim's Store also has a promotion where you can buy 3 for £1.05. At which shop are the yoghurts the better value for money?

v. There are 540 workers in a factory. 240 of the workers are female.
15% of male workers are more than 50 years of age.
Work out the number of male workers that are more than 50 years of age.