1. Ria is adding windscreen wash to her car. She has a 750ml bottle of concentrated wash.
   It needs to be mixed in the ratio 1 : 3 windscreen wash to water.
   How many litres of mixed wash will she have in total?

2. Max is working out the stopping distance of a car travelling at 30mph. They have found this formula for finding the stopping distance in metres.
   ![Formula Diagram]
   How long is the stopping distance?

3. Sam needs to buy new summer tyres. He sees an offer:
   **Summer Tyres**
   £76.99 each
   Buy four and the fitting is free
   How much would it cost to replace all four tyres?

4. Will is looking to rent a car and see this offer.
   **Car Rental Offer**
   £12 per day
   Rent for 7 days get a 15% discount
   How much would it cost to rent the car for 7 days?

5. Cooper is valeting a car. He has estimated the following timings.
   - Wash exterior – 25 minutes
   - Wax and polish exterior – 1¼ hours
   - Vacuum and clean interior – 1 hour 10 minutes
   How long will it take him to valet the car?

6. Erica is working out the miles per gallon for a series of cars.
   What is the mean miles per gallon of the cars she has chosen?

7. Joseph is costing work for a garage.
   He knows the cost of a new part and the cost of fitting.
   He knows that he should add on a certain percentage for VAT.
   How would he work out the cost of replacing any part?

8. Morgan has taken her car to have its MOT. She has created a bar chart of spare part prices below.
   ![Bar Chart]
   She needs a new fan belt, two head lights and a windscreen wiper set.
   How much will this cost?

9. Use reverse calculation to check your answer to question 6.

Total Marks: ________ / 9