
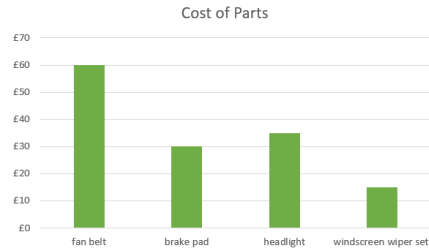


## Functional Skills Maths | Lesson Starter Quiz for Transport and Vehicle Learners

<p>1. Ria is adding windscreen wash to her car. She has a 750ml bottle of concentrated wash.</p> <p>It needs to be mixed in the ratio 1 : 3 windscreen wash to water.</p> <p>How many litres of mixed wash will she have in total?</p> <p style="text-align: right;">(1)</p>	<p>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.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>How long is the stopping distance?</p> <p style="text-align: right;">(1)</p>	<p>3. Sam needs to buy new summer tyres. He sees an offer:</p> <div style="border: 1px solid orange; padding: 10px; text-align: center; margin: 10px 0;"> <p><b>Summer Tyres</b></p> <p><b>£76.99 each</b></p> <p><b>Buy four and the fitting is free</b></p> </div> <p>How much would it cost to replace all four tyres?</p> <p style="text-align: right;">(1)</p>												
<p>4. Will is looking to rent a car and see this offer.</p> <div style="border: 1px solid orange; padding: 10px; text-align: center; margin: 10px 0;"> <p><b>Car Rental Offer</b></p> <p><b>£12 per day</b></p> <p><b>Rent for 7 days get a 15% discount</b></p> </div> <p>How much would it cost to rent the car for 7 days?</p> <p style="text-align: right;">(1)</p>	<p>5. Cooper is valeting a car. He has estimated the following timings.</p> <ul style="list-style-type: none"> <li>• Wash exterior – 25 minutes</li> <li>• Wax and polish exterior – 1 ¼ hours</li> <li>• Vacuum and clean interior – 1 hour 10 minutes</li> </ul> <p>How long will it take him to valet the car?</p> <p style="text-align: right;">(1)</p>	<p>6. Erica is working out the miles per gallon for a series of cars.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th>Car 1</th> <th>Car 2</th> <th>Car 3</th> <th>Car 4</th> <th>Car 5</th> <th>Car 6</th> </tr> </thead> <tbody> <tr> <td>64</td> <td>72</td> <td>69</td> <td>60</td> <td>74</td> <td>58</td> </tr> </tbody> </table> <p>What is the mean miles per gallon of the cars she has chosen?</p> <p style="text-align: right;">(1)</p>	Car 1	Car 2	Car 3	Car 4	Car 5	Car 6	64	72	69	60	74	58
Car 1	Car 2	Car 3	Car 4	Car 5	Car 6									
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<p>7. Joseph is costing work for a garage.</p> <p>He knows the cost of a new part and the cost of fitting.</p> <p>He knows that he should add on a certain percentage for VAT.</p> <p>How would he work out the cost of replacing any part?</p> <p style="text-align: right;">(1)</p>	<p>8. Morgan has taken her car to have its MOT. She has created a bar chart of spare part prices below.</p> <div style="text-align: center; margin: 10px 0;">  </div> <p>She needs a new fan belt, two head lights and a windscreen wiper set. How much will this cost?</p> <p style="text-align: right;">(1)</p>	<p>9. Use reverse calculation to check your answer to question 6.</p> <p style="text-align: right;">(1)</p>												

Total Marks: \_\_\_\_\_ / 9