





5.4	record = 23,4 mph $= 23,4 \times 1,6 = 37,44 \text{ kph}$ $= 37,44 \text{ km} \div 3 \text{ 600 s}$ $= 0,0104 \text{ km / s}$ <table style="margin-left: 20px;"> <tr><td><b>m</b></td><td><b>s</b></td></tr> <tr><td>10,4</td><td>1</td></tr> <tr><td>100</td><td>: <b>9,62s (Actually 9,58)</b></td></tr> </table>	<b>m</b>	<b>s</b>	10,4	1	100	: <b>9,62s (Actually 9,58)</b>	6	1 mark: correct speed 1 mark: conv method for km 1 mark: correct km answer 1 mark: correct method for seconds 1 mark: correct seconds 1 mark: answer.	3	3					6				
<b>m</b>	<b>s</b>																			
10,4	1																			
100	: <b>9,62s (Actually 9,58)</b>																			
5.5	$6 \text{ 000 000} \div 0,056 = \text{R}107 \text{ 142 857,10}$ $\approx \text{R}107 \text{ 142 857}$	3	1 mark: method 1 mark: answer 1 mark: rounded answer	3						3										
5.6.1	$\text{R}12 \text{ 000} \times 1,13 \times 1,13 \times 1,13 = \text{R}17 \text{ 314,76}$	4	1 mark: method for increase 1 mark: increase 1st year by 13% 1 mark: increase new total by 13% 1 mark: increase 2nd total by 13%			4				4										
5.6.2	$(1 \text{ 100} - 300) / 1 \text{ 100} = 72,73\%$	3	1 mark: diff 1 mark: divide by 1100 1 mark: final answer (only if 1100 used)	3						3										
5.6.3	Ticket = $300 \times 14,73 = \text{R}4 \text{ 419}$ Total = $\text{R}11 \text{ 454} + \text{R}4 \text{ 419}$ $= \text{R}15 \text{ 873}$ He has saved enough	4	1 mark: conversion method 1 mark: Rand amount correct 1 mark: total 1 mark: compare correctly	4						4										
5.6.4	Any two sensible things, e.g. accomodation, food, sightseeing, mementoes	2	1 mark(each): sensible answer	2						2										
<b>Question 5:</b>		<b>35</b>																		
<b>Total:</b>		<b>150</b>																		

<b>Totals</b>	<b>81</b>	<b>60</b>	<b>9</b>	<b>0</b>	<b>48</b>	<b>40</b>	<b>22</b>	<b>31</b>	<b>9</b>
% Breakdown	54	40	6	0	32	27	15	21	6
<b>Goals</b>	<b>60</b>	<b>35</b>	<b>5</b>	<b>0</b>	<b>35</b>	<b>20</b>	<b>15</b>	<b>25</b>	<b>5</b>
L8:	135	to	150		L4:	75	to	90	
L7:	120	to	135		L3:	60	to	75	
L6:	105	to	120		L2:	45	to	60	
L5:	90	to	105		L1:	0	to	45	