

N5 Apps Practice Paper B Paper 2 Marking Scheme

1	<ul style="list-style-type: none"> •¹ State Car and price •¹ 48 month cost •² Add one off payment 	<ul style="list-style-type: none"> •¹ Car C and £200 •¹ $48 \times 200 = 9600$ •² £17164 	
2	<ul style="list-style-type: none"> •¹ Find multiplier •² Find amount after 3 years •³ Find second multiplier •⁴ Find amount after 5 years •⁵ Rounded 	<ul style="list-style-type: none"> •¹ 0.95 •² $230000 \times 0.95^3 = 197196.25$ •³ 1.075 •⁴ $197196.25 \times 1.075^2 = 227884.92$ •⁵ £227900 	
3	<ul style="list-style-type: none"> •¹ Calculates Time •² Converts into hours and minutes •³ Add on service stop •⁴ States time of departure 	<ul style="list-style-type: none"> •¹ $310/60 = 5.167$ •² 5 hours 10 minutes •³ $5\text{hr } 10\text{m} + 45\text{m} = 5\text{hrs } 55\text{ mins}$ •⁴ 10:30am 	
4	<ul style="list-style-type: none"> •¹ $\frac{1}{4}$ of 500 •² 125×8 •¹ State which TV •² State how much money has leftover •¹ $480 - 160$ •² State number of weeks needed 	<ul style="list-style-type: none"> •¹ 125 •² 1000 •¹ TV 4 •² £160 •¹ 320 •² 3 weeks 	
5	<ul style="list-style-type: none"> •¹ Form table •² Correct calculations •³ Most stated •¹ Multiply number of boxes by price •² Add on price of container 	<ul style="list-style-type: none"> •¹ •² •³ 2560 boxes •¹ $2560 / 80 = 32$ •² $32 \times 9.20 = £294.40$ 	
6	<ul style="list-style-type: none"> •¹ 4 correct •² 4 correct 	<ul style="list-style-type: none"> •¹ See diagram •² see diagram 	

	<ul style="list-style-type: none"> •³ Add time 	<pre> graph LR F --> E E --> A A --> B A --> G B --> G H --> G G --> D D --> C </pre> <ul style="list-style-type: none"> •³ 5 minutes and 30 seconds 	
7	<p>ans: £1 = 94.12 rupees</p> <ul style="list-style-type: none"> •¹ Knows to divide •² Rounds to 2 decimal places 	<ul style="list-style-type: none"> •¹ $320000 / 3400 = 94.117\dots$ •² 94.12 	
8	<ul style="list-style-type: none"> •¹ Strategy •² Find price per kg •³ Statement 	<ul style="list-style-type: none"> •¹ $22.95 / 9$ or $72 / 30$ •² $30\text{kg} = 2.40$ and $9\text{kg} = 2.55$ •³ the 30kg bag is the better deal as it is 15p cheaper per kg. 	
9	<ul style="list-style-type: none"> •¹ 10cm line drawn •² Measure angle correctly •³ Triangle drawn correctly <ul style="list-style-type: none"> •¹ Find height in cm •² Convert to real life •³ Subtract <ul style="list-style-type: none"> •¹ substitute into formula •² Calculate volume •³ Round correctly 	<ul style="list-style-type: none"> •¹ See diagram •² See Diagram •³ See diagram <ul style="list-style-type: none"> •¹ 7cm •² 78m •³ 35 <ul style="list-style-type: none"> •¹ $V = \pi \times 6^2 \times 43$ •² 4963.185... •³ 4900m^3 	
10	<ul style="list-style-type: none"> •¹ Evidence of right angle triangle •² Pythagoras •³ find missing side •⁴ Find depth 	<ul style="list-style-type: none"> •¹ •² $9^2 - 4.89^2$ •³ 2.04 •⁴ $2 + 3 = 5.04\text{m}$ 	
11	<ul style="list-style-type: none"> •¹ 4 points drawn correctly •² Remaining 4 points drawn correctly <ul style="list-style-type: none"> •¹ Draw line of best fit <ul style="list-style-type: none"> •¹ Use line of best fit 	<ul style="list-style-type: none"> •¹ See diagram •² See diagram. •¹ See diagram •¹ 75% 	

12	<ul style="list-style-type: none"> ●¹ Subtract 0% contributions ●² Find percentage ●¹ Find percentage ●² Add up deductions ●³ Subtract ●⁴ Find monthly income ●¹ Find instalments ●¹ Find percentage ●² Rounded 	<ul style="list-style-type: none"> ●¹ 42360 - 9280 ●² 12% of 33080 = £3969.60 ●¹ 18% of 42360 = 7624.80 ●² 3969.60 + 4957.20 + 7624.80 = 16551.60 ●³ 42360 - 16551.60 = 25808.40 ●⁴ 25808.40 / 12 = £2150.70 ●¹ 320 ●¹ 320/2150.70 x 100 ●² 14.9% 	
13	<ul style="list-style-type: none"> ●¹ Find volume of the cube ●² Volume of a hemisphere formula ●³ Find volume ●⁴ Subtract volumes ●¹ Find the area with correct dimensions ●² Find area of circle ●³ Evidence of totalling to two circles ●⁴ Subtract areas 	<ul style="list-style-type: none"> ●¹ 15.625 ●² $\frac{4}{3} \pi 0.75^3 \div 2$ ●³ 0.88 ●⁴ 15.625 - 1.77 = 14.74cm³ ●¹ 90 x 230 = 20700 ●² $\pi \times 6.5^2 = 132.73$ ●³ Evidence shown ●⁴ 20700 - 265.46 = 20434.54cm² 	