N5 Apps Practice Paper B Paper 2 Marking Scheme

1	$\bullet^1$ State Car and price	$\bullet^1$ Car C and £200	
	$\bullet^1$ 48 month cost	$\bullet^1$ 48 x 200 = 9600	
	$\bullet^2$ Add one off payment	$\bullet^2$ £17164	
2	$\bullet^1$ Find multiplier	$\bullet^1$ 0.95	
	$\bullet^2$ Find amount after 3 years	$\bullet^2$ $230000 \times 0.95^3 = 197196.25$	
	$\bullet^3$ Find second multiplier	$\bullet^3$ 1.075	
	$\bullet^4$ Find amount after 5 years	$\bullet^4$ $197196.25 \times 1.075^2 = 227884.92$	
	$\bullet^5$ Rounded	$\bullet^5$ £227900	
3	$\bullet^1$ Calculates Time	$\bullet^1$ 310/60 = 5.167	
	$\bullet^2$ Converts into hours and minutes	$\bullet^2$ 5 hours 10 minutes	
	$\bullet^3$ Add on service stop	$\bullet^3$ 5hr 10m + 45m = 5hrs 55 mins	
	$\bullet^4$ States time of departure	$\bullet^4$ 10:30am	
4	$\bullet^1$ ¼ of 500	$\bullet^1$ 125	
	$\bullet^2$ 125 x 8	$\bullet^2$ 1000	
	$\bullet^1$ State which TV	$\bullet^1$ TV 4	
	$\bullet^2$ State how much money has leftover	$\bullet^2$ £160	
	$\bullet^1$ 480 - 160	$\bullet^1$ 320	
	$\bullet^2$ State number of weeks needed	$\bullet^2$ 3 weeks	
5	$\bullet^1$ Form table	$\bullet^1$	
	$\bullet^2$ Correct calculations	$\bullet^2$	
	$\bullet^3$ Most stated	$\bullet^3$ 2560 boxes	
	$\bullet^1$ Multiply number of boxes by price	$\bullet^1$ 2560 / 80 = 32	
	$\bullet^2$ Add on price of container	$\bullet^2$ 32 x 9.20 = £294.40	
6	$\bullet^1$ 4 correct	$\bullet^1$ See diagram	
	$\bullet^2$ 4 correct	$\bullet^2$ see diagram	

| | •³ Add time | <br><br>```
        B
        |
F E A G D C
        |
        H
```<br>•³ 5 minutes and 30 seconds |
7	**ans: £1 = 94.12 rupees** •¹ Knows to divide •² Rounds to 2 decimal places	 •¹ 320000 / 3400 =94.117… •² 94.12
8	•¹ Strategy •² Find price per kg •³ Statement	•¹ 22.95 / 9 or 72 / 30 •² 30kg =2.40 and 9kg = 2.55 •³ the 30kg bag is the better deal as it is 15p cheaper per kg.
9	•¹ 10cm line drawn •² Measure angle correctly •³ Triangle drawn correctly •¹ Find height in cm •² Convert to real life •³ Subtract •¹ substitute into formula •² Calculate volume •³ Round correctly	•¹ See diagram •² See Diagram •³ See diagram •¹ 7cm •² 78m •³ 35 •¹ $V = \pi \times 6^2 \times 43$ •² 4963.185… •³ 4900m³
10	•¹ Evidence of right angle triangle •² Pythagoras •³ find missing side •⁴ Find depth	•¹ •² $9^2 - 4.89^2$ •³ 2.04 •⁴ 2 + 3 = 5.04m
11	•¹ 4 points drawn correctly •² Remaining 4 points drawn correctly •¹ Draw line of best fit •¹ Use line of best fit	•¹ See diagram •² See diagram. •¹ See diagram •¹ 75%

12	$\bullet^1$ Subtract 0% contributions	$\bullet^1$ 42360 - 9280	
	$\bullet^2$ Find percentage	$\bullet^2$ 12% of 33080 = £3969.60	
	$\bullet^1$ Find percentage	$\bullet^1$ 18% of 42360 = 7624.80	
	$\bullet^2$ Add up deductions	$\bullet^2$ 3969.60 + 4957.20 + 7624.80 = 16551.60	
	$\bullet^3$ Subtract	$\bullet^3$ 42360 − 16551.60 = 25808.40	
	$\bullet^4$ Find monthly income	$\bullet^4$ 25808.40 / 12 = £2150.70	
	$\bullet^1$ Find instalments	$\bullet^1$ 320	
	$\bullet^1$ Find percentage	$\bullet^1$ 320/2150.70 x 100	
	$\bullet^2$ Rounded	$\bullet^2$ 14.9%	
13	$\bullet^1$ Find volume of the cube	$\bullet^1$ 15.625	
	$\bullet^2$ Volume of a hemisphere formula	$\bullet^2$ $\frac{4}{3} \pi \, 0.75^3 \div 2$	
	$\bullet^3$ Find volume	$\bullet^3$ 0.88	
	$\bullet^4$ Subtract volumes	$\bullet^4$ 15.625 − 1.77 = 14.74cm^3	
	$\bullet^1$ Find the area with correct dimensions	$\bullet^1$ 90 x 230 = 20700	
	$\bullet^2$ Find area of circle	$\bullet^2$ $\pi \times 6.5^2 = 132.73$	
	$\bullet^3$ Evidence of totalling to two circles	$\bullet^3$ Evidence shown	
	$\bullet^4$ Subtract areas	$\bullet^4$ 20700 − 265.46 = 20434.54cm^2	