Level 2 - Section A: Mark Scheme

Question	Process	Mark	Mark Ref	Evidence
Q1	Begins to work with ratio	1 or	A	1500 ÷ (3 + 2 + 1) (=250) oe
	Full process to find the amount of blue paint	2 or	AB	'250' × 2 (=500) oe
	Correct answer	3	ABC	500 (ml)
	Total marks for question	**3**		

Question	Process	Mark	Mark Ref	Evidence
Q2	Process to multiply a consistent value of number of houses by frequency	1 or	A	e.g. 3 × 7 or 8 × 6 or 13 × 5 or 18 × 2 Allow use of 'midpoints' provided they are consistent and within an interval including the end points **OR** 21 **and** 48 **and** 65 **and** 36 seen (condone 1 error or omission)
	Full process to find the estimate of the mean	2 or	AB	(3 × 7 + 8 × 6 + 13 × 5 + 18 × 2) ÷ (7 + 6 + 5 + 2) (=8.5) Allow use of 'midpoints' provided they are consistent and within an interval including the end points
	Accurate figure	3	ABC	8.5 Accept 8 or 9, supported by accurate working
	Total marks for question	**3**		

Question	Process	Mark	Mark Ref	Evidence
Q3	Begins to work with 12 or 24 months, figure could be rounded, or difference in costs using rounded figures	1 or	A	e.g. 60 × 24 (=1440) **OR** 10 × 24 (=240) **OR** 60 – 10 (=50) **OR** 900 – 40 (=860)
	Full process to find total cost of one offer or cost difference over 24 months	2 or	AB	e.g. '1440' + 40 (=1480) **or** '240' + 900 (=1140) **OR** '50' × 24 (=1200) Allow using accurate figures for marks A and B only
	Full process to find total savings	3	ABC	e.g. '1480' – '1140' (=340) oe **OR** '1200' – '860' (=340) oe
	Valid decision with accurate figures supported by working.	4	ABCD	e.g. Yes **AND** (£) 340
	Total marks for question	**4**		

Question	Process	Mark	Mark Ref	Evidence
Q4	Process to find the volume	1 or	A	30 × 100 × 30 (=90 000)
	Accurate figure for volume of water	2	AB	90 000 (cm^3) oe
	Process to convert between cm^3 and litres	1	C	e.g. '90 000' ÷ 1000 (=90)
	Uses the conversion rate appropriately or works with proportion	1 or	D	e.g. '90' ÷ 4.5 (=20) oe **OR** 10 gallons is 45 litres **OR** 36 ÷ 2 (=18) Calculations may be seen using a build-up method
	Full process to find figures to compare	2 or	DE	e.g. '20' × 2 (=40) **OR** '18' × 4.5 (=81) oe **OR** '90' ÷ 4.5 (=20) oe **and** 36 ÷ 2 (=18)
	Valid decision with accurate figures	3	DEF	e.g. Yes **AND** 40 (fish) **OR** Yes **AND** 81 (litres) **and** 90 (litres) **OR** Yes **AND** 20 (gallons) **and** 18 (gallons)
	Total marks for question	**6**		