1	37 500 × 0.2 or 7500	M1	
	(9260 – their 7500) ÷ 0.4 or 1760 ÷ 0.4 or 4400	M1dep	
	their 4400 + 37 500 + 12 500	M1dep	dep on M2
	54 400	A1	
	Additional Guidance		
	Trial and improvement for any part only scores if the correct value is found		

Q	Answer	Mark	Comments
2	125 and 17 or 5^3 and 17 or 5 and 5 and 5 and 17	B2	together in any order eg 125 × 17 or 17 × 5^3 or 5, 5, 5, 17 or 2125 ÷ 17 = 125 or 2125 ÷ 125 = 17 B1 at least three of 8, 27, 64, 125, 216, 343, 512, 729, 1000, 1331, 1728, 2197 etc (allow 2^3, 3^3, 4^3 etc) or all four of 11, 13, 17, 19 (ignore any numbers not between 10 and 20) or (cube number > 1) × (prime number between 10 and 20) or 2125 ÷ (cube number > 1) or 2125 ÷ (prime number between 10 and 20)

Additional Guidance	
B1 may be awarded for correct work with no, or incorrect answer, even if this is seen amongst multiple attempts	
B2 responses may be seen on a factor tree	
B1 for three cube numbers given in index form – evaluations can be ignored eg 4^3 5^3 6^3 scores B1 with no evaluations or with incorrect evaluations	
B1 for multiplications or divisions – evaluation can be ignored eg1 2^3 × 13 scores B1 with no evaluation or evaluated incorrectly eg2 2125 ÷ 27 scores B1 with no evaluation or evaluated incorrectly eg3 2125 ÷ 11 scores B1 with no evaluation or evaluated incorrectly	
125 and 17 seen in multiple attempts is B2 if 2125 included eg 125 × 17 = 2125 or 2125 ÷ 17 = 125 or 2125 ÷ 125 = 17 seen amongst multiple attempts	B2
125 and 17 seen in multiple attempts is B1 if 2125 not included eg 125 × 17 seen amongst multiple attempts	B1
11 13 15 17 19 does not score B1 unless 11 13 17 19 selected	
Incomplete list eg 11 13 19 does not score B1	

Q	Answer	Mark	Comments
3(a)	Valid criticism of method indicating or implying that 30 is incorrect	B1	eg the shop was open for fewer than 30 days
	Additional Guidance		
	Valid criticism with non-contradictory statements		B1
	Contradictory statements		B0
	30 should be 26		B1
	The answer is 115 (allow 116 or 115.4 or 115.38…)		B1
	30 should be 25		B1
	The answer is 120		B1
	30 should be 24 (condone)		B1
	The answer is 125 (condone)		B1
	The answer is more than 100		B1
	The shop wasn't open for 30 days		B1
	He didn't work every day in June		B1
	The shop was shut on Sundays		B1
	He is open 6 days a week		B1
	The shop isn't open every day		B1
	He should divide by 31		B0
	He doesn't work weekends		B0
	There aren't 30 days in June		B0
	Not every month has 30 days		B0
	30 should be 27		B0
	The answer is less than 100		B0

Q	Answer	Mark	Comment
4	$\frac{28}{9}$	B1	

Q	Answer	Mark	Comments
5	–1	B1	
	4π	B1	
	Additional Guidance		
	Do not allow use of a numerical value for π		