

Q1. (2017)

17	$y^6 + y^2$	B1	
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Q2. (2018)

3	$9a^2$	B1	
Additional Guidance			

Q3. (2018)

15	Alternative method 1		
	3×7 or 21 or $40 \div 2$ or 20	M1	oe
	21 and 20	A1	
	Alternative method 2 – works out and uses correct possible values for a , b , x and y		
	Substitute values into $9a + 3b$ that satisfy $3a + b = 7$ or substitute values into $3x + 4y$ that satisfy $6x + 8y = 40$	M1	eg $a = 2$ and $b = 1$ substituted into $9a + 3b$ or $x = 4$ and $y = 2$ substituted into $3x + 4y$
	21 and 20	A1	Correct evaluation of their expressions with correct values for the letters
	Additional Guidance		
	Beware 21 or 20 coming from wrong working		
	Accept either of 21 or 20 seen if there is also an explanation that the other value is one more or one less (as appropriate) than the calculated one		M1A1
	Use the scheme that awards the better mark		
	$a = 3$ and $b = -2$ then $9 \times 3 + 3 \times -2$ or $x = 0$ and $y = 5$ then $3 \times 0 + 4 \times 5$		M1

Q4. (2020)

Q	Answer	Mark	Comments
	$(2 \times 4a) 8a$	B1	
	$\left(\frac{15a}{3}\right) 5a$	B1	
	$13a + 2$	B1ft	ft B1B0 or B0B1 for their $8a$ + their $5a + 9 - 7$ is in the form $pa + q$ do not award with further incorrect work eg $13a + 2 = 15a$
14(b)	Additional Guidance		
	$13a + c$ could come from incorrect working eg $8a + 4 + 9 + 5a - 7 = 13a + 16$ (their $8a$ is $8a + 4$)		B0B1B0ft
	eg $8a + 4 + 9 + 5a - 7 = 13a + 6$ (their $8a$ is $8a + 4$)		B0B1B1ft
	eg $8a + 9 + 5a - 7 = 13a + 16$		B1B1B0ft
	eg $13a + 16$ (no other working)		B1B1B0ft
	$6a + 9 + 5a - 7 = 11a + 2$		B0B1B1ft
	$8a + 9 + 12a - 7 = 20a + 2$		B1B0B1ft
	$8a + 9 + 5 - 7 = 8a + 7$		B1B0B1ft
	$8a + \frac{15a}{3} + 7$		B1B0B0ft
	$6a + 9 + 12a - 7 = 18a + 2$		B0B0B0ft
	$6a + 5a + 16 = 11a + 16$		B0B1B0ft

Q5. (2021)

Q	Answer	Mark	Comments
22(a)	No and correct reason	B1	eg it should be $8a$ two minuses make it $+2a$
	Additional Guidance		
	No and $8a - 7b$		B1
	No and $4a$ should be $8a$		B1
	No and two minuses make it plus		B1
	No and it should be $+2a$		B1
	No and $4a$ is wrong		B1
	No and $8a + 7b$		B0

Q6. (2021)

Q	Answer	Mark	Comments
22(b)	Not correct for Add 3 and 5 and Correct for Add 2 and 7	B1	
	Additional Guidance		
	Accept any clear indication of their answer		

Q7. (2024)

Q	Answer	Mark	Comments
25	$\frac{26(.0)}{16.4}$	M1	oe eg $\frac{13}{8.2}$ or $1 \frac{9.6}{16.4}$
	$\frac{260}{164}$ or $1 \frac{96}{164}$	A1	oe with no decimals eg $\frac{130}{82}$ or $\frac{2600}{1640}$ implied by correct answer
	$\frac{65}{41}$ or $1 \frac{24}{41}$	B1ft	ft correct simplification of their fraction using the digits 26 and 164 SC2 $\frac{41}{65}$ SC1 $\frac{65}{106}$ (total area as denominator)
	Additional Guidance		
	Ignore units		
	Ignore an incorrect conversion of $\frac{65}{41}$ to a mixed number		M1A1B1
	$\frac{26(.0)}{16.4} = \frac{2600}{164} = \frac{650}{41}$		M1A0B1ft