Schedule for commo	Schedule for common paper Year 9 Exam 2019					
Number						
Total	AT	ABOVE	BEYOND			
Q1						
(i)	-48					
(ii)	18					
Deleted						
(iii)	-16	16				
(iv)		-29				
(v)			51			
Q2						
(a)	18 degrees					
(b)	212 students					
(c)	60 mins					
(d)	10.5 hrs a day	<b>\$1496.25</b>				

(e)		$\frac{2}{5}$ x 10.5 = 4.2hrs	4.2 x 60 = 252 mins
(f)	4 12	4 12 x 1296	432
(g)		702 people	Any correct whole number of buses Eg 15 forty eight seater or 14 X 48 and 1X42 or 12X48 and 3X42
Q3			
(a)	0.125		
(b)	80		
(c)	82		
(d)		\$28529.15	
(e)	Students raise \$19200	College saves \$375 000 Grant equals \$9600	School savings $\frac{1}{6}$ x750,000x3=\$375,000  MOE: \$1.2 million  Students: $640$ x30 = \$19,200  Lotteries: $0.5$ x $19,200$ = \$9,600  Total  375,000+1,200,000+19,200+9,600 = \$1,603, 800 income.  No, the College will not have enough money to cover \$1.65 million as they will only have \$1.6038 million.  Must show all working that is set out in a logical manner

Q4				
(a)	0.90, 0.204, 0.23, 0.256, 0.301, 0.31			
(b)	1.4			
Q5				
(a)	<u>-1</u> 15			
(b)	$\frac{28}{40} = \frac{7}{10}$			
(c)		1920		
(d)		23 28		
		Algebra and Patterns	•	
Q1				
(a)	4 tables side by side			
(b)	21,26			
(c)		C = 5T +1		
(d)		51		

(e)		24, must have used the equation to work this out.		
Q2				
(a)	Points correctly plotted and joined using a <b>ruler</b> .			
Q3				
(a)		\$25		$\neg$
(b)		Cost \$20 for the supplies to make the soap.		
(c)		$P = 1.5N - 20 \text{ or } P = \frac{3}{2}x - 20$		
(d)	One correct point	Three correct point Eg Both lines start below the x axis		
(e)			The Cinnamon line starts lower at -30 compared to Lavender line that starts at -20.	
			Same profit when 20 bars of soap are sold.	
			The Lavender gradient of 1.5 is less than the Cinnamon gradient of 2, this makes the Cinnamon line steeper. Cinnamon makes more profit per soap.	

	1		T	1
Q4				
(a)		C = 1.10b + 45		
(b)		\$100		
(c)	95.45	95bars		
Q5				
(a)	2			
(b)	60cm	60 <i>cm</i> <sup>2</sup>		
Q6				
(a)	2x + 6y			
(b)	30p			
(c)	W <sup>4</sup>			
(d)		X <sup>4</sup>		
(e)	42d²			
(f)			-20y <sup>11</sup>	

		1		
Q7				
(a)	5y - 35			
(b)		x <sup>2</sup> + 20x		
(c)	40x + 40 or -6x - 3	40x + 40 - 6x - 3	34x + 37	
Q8				
(a)	X = 18			
(b)		X = 150		
(c)		5x = 15	X = 3	
(d)		3x = 18	X = 6	
Q9				
(a)	6(y - 4)			
(b)		2x(2x² - 15)		
(c)		$4x^2y^2(2x^4 - 9y^3)$		
	<del></del>	· · · · · · · · · · · · · · · · · · ·	<del></del>	•

Q10.			J=3d-10 3d-10=80 3d=90 d=\$30 Dress costs \$30	
		Statistics		
Q1				
(a)	Football, Basketball, Netball, Hockey, Rugby			
(b)		The axis does not start at zero, it starts at 13. This makes the difference between boys and girls look bigger than it actually is.		
Q2)				
(a)	77			
(b)		79.2		

(c)	82.5		
(d)			Because of the low score of 24, the mean is low. The Median is not affected by the score of 24. Therefore the Median is a better reflection of points scored. Most scores are well above 24.
Q 3			
(a)	2016, 2017		
(b)		$\frac{60}{360}$ x 78 = 13 students. Or $\frac{1}{6}$ x 78 = 13	
Q4			The number of sports injuries is higher in the winter months and lower in the summer months. Its seasonal
Q5			
(a)			Diamond Sapphire Lowest 8 7 Value

	I	T			1
		Lower Quartile	14	9	
		Median	19.5	11.5	
		Upper	23	13.5	
		Quartile			
		Highest	30	23	
		Value			
(b)					
		Box/Whisker	Diagram		
(c)		The median	of Diamond	is 19.5 which is	
			Sapphires of		
			cored more		
		or			
		1 -	•	ent comparing	
		points on the	graph.		
		There is mor	o variation in	the number of	
				red compared to	
				iamonds box and	
		whisker grap			
		Sapphires.			
(d)		There is no in			
				. The Diamonds	
		1 -		uld have still lost	
		every game.			
		75% of the ti	me Diamond	s scored more	
		goals than S			

Diamonds scored highest goals of 30	
IQR: Diamonds is 9 and Sapphires is 4.5 Bigger spread in Middle 50% for	
Diamonds.	

	AT (4)	ABOVE (6)	BEYOND (8)	Total
Strand				
Number	12*4=48	6*6=36	5*8=40	124
Algebra	11*4=44	16*6=96	6*8=48	188
Statistics	4*4=16	3*6=18	6*8=48	82
Grand Total	108	150	128	394

**AT** = 40% - 60%

<mark>135</mark> - <mark>235</mark>

**ABOVE** = 61% - 84%

<mark>236</mark> - <mark>331</mark>

**BEYOND** = +85%

≥<mark>332</mark>