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	<mark>\$1496.25</mark>		

(e)		$\frac{2}{5}$ x 10.5 = 4.2hrs	4.2 x 60 = 252 mins
(f)	$\frac{4}{12}$	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 <mark>\$375 000</mark> Grant equals \$9600	School savings $\frac{1}{6}$ x750,000x3=\$375,000 MOE : \$1.2 million Students: 640x30 = \$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)	1			
	15			
(b)	$\frac{28}{40} = \frac{7}{10}$			
	40 10			
(c)		1920		
(d)		23		
		23 28		
		Algebra and Patterns		
Q1				
(a)	4 tables side by side			
(b)	21,26			
(c)		C = 5T +1		
(d)		51		

(a)				
(e)		24, must have used the		
		equation to work this out.		
Q2				
(a)	Points correctly plotted and			
(a)	joined using a <u>ruler.</u>			
Q3	joined dailig a <u>ruler.</u>			
Q.5				
(a)		405		
(~)		\$25		
(b)		Cost \$20 for the supplies		
		to make the soap.		
(c)		P = 1.5N - 20 or P = $\frac{3}{2}$ x - 20		
		1 - 1.5N - 20017 - 2 - 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.	

I			
	C = 1.10b + 45		
	\$100		
95.45	95bars		
2			
60cm	$60cm^2$		
2x + 6y			
30p			
W ⁴			
	X ⁴		
42d ²			
		-20y ¹¹	
	2 60cm 2x + 6y 30p W ⁴	Image: Market Set of the set of th	\$100 95.45 $95bars$ $$

	I			
Q7				
(a)	5y - 35			
(b)		x ² + 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(2x ² - 15)		
(c)		4x ² y ² (2x ⁴ - 9y ³)		

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)		$\frac{60}{360} \times 78 = 13$ students. Or $\frac{1}{6} \times 78 = 13$	
Q4			The number of sports injuries is higher in the winter months and lower in the summer months. Its seasonal
Q5			
(a)			DiamondSapphireLowest87Value7

	Lower 14 9
	Quartile
	Median 19.5 11.5
	Upper 23 13.5
	Quartile
	Highest 30 23
	Value
(b)	
	Box/Whisker Diagram
(c)	
(c)	The median of Diamond is 19.5 which is
	higher than Sapphires of 11.5, so
	Diamonds scored more points.
	or
	Any other simple statement comparing
	points on the graph.
	There is more variation in the number of
	points the Diamonds scored compared to
	Sapphires because the Diamonds box and
	whisker graph is longer than the
	Sapphires.
(d)	There is no information at winning or
	losing, only points scored. The Diamonds
	had higher points, but could have still lost
	every game.
	75% of the time Diamonds scored more
	goals than Sapphires

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

Strand	AT (4)	ABOVE (6)	BEYOND (8)	Total
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% **236** - **331**

BEYOND = +85% ≥332