

Year 10 Maths -Marking Schedule: Number

	AT(4)	AB(6)	TAAB(8)
ONE			
a	23		
b	2		
c	6.1×10^6		
d	\$771 200		
TWO			
a	$\frac{5}{7}$		
b	$\frac{10}{27}$		
c	28		
d	35/72	$1 - (\frac{1}{9} + \frac{3}{8}) = \frac{37}{72}$	
e		12/25X128800=61824 Females=66976(AB5)	
THREE			
a	20 608		
b	25%		
c	\$0.80	.75X3.2= \$2.40	
d		23.32/1.06= \$22.00	
FOUR			
Mark like NCEA 3 skills=A		Cost of charging stations 7500 x 5 = 37500 less discount $37500 \times \frac{4}{5} =$ 30 000	Cost of car in NZ dollars $10 \times 34\,947 \times 1.85 =$ \$646 519.50 Plus GST $64\,6519.50 \times 1.15 = 743497.43$ Cost of Cars=\$743497.43 Cost Of CS= \$30 000 Total cost = \$773 497.43

Algebra

	At	Above	Beyond
Questions			
ONE			
a	12, 15		
b	64, 125		
c	26, 31		
d		n, (n+1)	
TWO			
a	15, 21, 28		
b			$R = \frac{p(p+1)}{2}$
c		$25 \times 26 / 2 = 325$	
THREE			
a	y=3, m=½ or 3/6		
b		$y = \frac{1}{2}x + 3$	
FOUR			
a	$11y + 8z$		
b	$16x^2 - 9w$		
c	$16f^8$		
d	n^4		
e	$6x^3$		
f		$2187k^{14}$ or $(21 K^{14} - AB5)$	
g		$-6p^8$	
h		$\frac{34y}{35}$	
FIVE			
a	$12x + 8$		
b	$3x - 26$		
c		$x^2 + 2x - 15$	
SIX			
a	$8(z-6)$		
b		$6x^3y^4(2x^2 - 5y^2)$	
c		$(x+5)(x+5)$ or $(x + 5)^2$	
d	$2(y^2 + 2y - 15)$		$2(y+5)(y-3)$
SEVEN			
a	p=10		
b	x=3		
c		w=90	
d		$x = -16/3$	
e		w=-16	
f		x=-3	
g	only one	x=-3 or -4 (both)	
h			y= 70/31
EIGHT			
a		$E = 0.025S + 10,000$	
b	$E = \$21,250$		
c		\$550,000	
d		$R = 0.03S + 6000$ $0.03S + 6000 = 0.025S + 10,000$	$0.005S = 4000$ $S = \$800,000$

Marking annotation on script:

Working Towards - W0 (blank),
W1 (something on topic written),
W2 (close to AT)
AT - A3 (low),
A4 (high)
Above - AB 5 (low),
AB6 (high)
Beyond - B 7 (low),
Beyond -B 8 (high)
CAO=A4 for any question.

Grade Summary

Grades	AT	AA	TAAB	Total
N	25 (9+16)	20 (4+16)	5(1+4)	50
Points	100 (36+64)	120 (24+96)	40 (8+32)	260 (68+192)

Percentage grade boundaries for overall grade:

Percentage	Points
At = 45%-65%	105 - 169
Above = 66%-84%	170 - 218
Beyond = +85%	219 -

Rubric Grade: [Percentage grade boundaries](#)

Grade	AT	AB	BE
Number	27-44	45-57	58-68
Algebra	77-124	125-161	162-192