

Working for Avis Rental Car...

ab^2	x^2y	ab	a^2b	c^3b	cb	c^2b	cb	c^3b	x^2yz	y
xyz	x^2y	ab	a^2b	cb	c^3b	x^2yz	ab^2	x^2y	ab	a^2b
ab^2	a^2b	xy^3	xyz	xyz	cb	c^2b	cb	c^3b	x^2yz	y
ab^2	x^2y	ab	a^2b	xy^3	cb	c^2b	y	c^3b	x^2yz	cb
cb	x^2y	c^3b	a^2b	ab	cb	c^2b	cb	c^3b	x^2yz	y
ab^2	x^2y	ab	ab^2	x^2y	ab	a^2b	xy	xy	c^2b	a^2b

It's inventory day at Avis rental cars. Each car is coded by make and model, and the shaded boxes indicate the car is currently rented out. In case you're interested, here's how they are coded:

ab ²	Audi 4000
cb	Capri sedan

ab Audi 200
c²b Capri 4-door

a²b Audi 10x
etc., etc., etc.

Make a tally list of all the codes and how many of each kind of car are in and out. The Audi 4000 is done:

[illegible]

Operations on Terms

(DONE IN CLASS)

Fill in the blanks by seeing the pattern

LEVEL I

	Add	Answer	Multiply	Answer
1, 2	$1+2$	3	$(1)(2)$	2
1, 3, 8	$1 + 3 + 8$		$(1)(3)(8)$	
2, 5, 6				

LEVEL II

	Add	Answer	Multiply	Answer
x, x	$x + x$	$2x$	$(x)(x)$	x^2
y, y	$y + y$		$(y)(y)$	
x, x, x	$x + x + x$	$3x$	$(x)(x)(x)$	x^3
z, z				
z, z, z				
x, x, x, x				

LEVEL III

	Add	Answer	Multiply	Rewrite	Answer
2x, x	$2x + x$	$3x$	$(2x)(x)$	$2xx$	$2x^2$
2y, y	$2y + y$		$(2y)(y)$	$2yy$	
3x, x, x	$3x + x + x$	$5x$	$(3x)(x)(x)$	$3xxx$	$3x^3$
3z, z, z					
x, 4x	$x + 4x$	$5x$	$(x)(4x)$	$4xx$	$4x^2$
y, 2y, y			$(y)(2y)(y)$	$2yyy$	
2p, p					
2m, m, m					