1 Numbers in other bases - practice

Sharpen your calculation skills in other bases

For reference, our convention for base-26 is to use the letters $A - Z$ as the digits $0 - 25$:

Instructions: Calculate the sum, difference, product, or quotient & remainder. Your answer should be in the starting base unless otherwise specified.

Question 1 $(143)_7 + (53)_7 = ($ $)_7$

Question 2 $(4671)_8 + (327)_8 = ($ $)_8$

Question 3 $(APPLE)_{26} + (WINDOWS)_{26} = ($ $)_{26}$

Question 4 $(451)_9 - (332)_9 = ($ $)_9$

Question 5 $(11011001)_2 - (11011)_2 = ($ $)_2$

Question 6 $(BABAA)_{26} \times (MOO)_{26} = ($ $)_{26}$

Question 7 $(8663422)_9 \times (2241)_9 = ($ $)_9$

Question 8 $(8663422)_9 \div (2241)_9 = ($ $)_9$ *and remainder (* $)_9$

Table 1: Digits for base-26.

A	B	C	D	E	F	G	H	I	J	K	L	M
0	1	2	3	4	5	6	7	8	9	10	11	12
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	14	15	16	17	18	19	20	21	22	23	24	25