Practice Problem #1

Table 13.2 Rate Data for the Reaction between F_2 and ClO_2

	[F₂](M)	[ClO₂](M)	Initial Rate (M/s)
1.	0.10	0.010	1.2×10^{-3}
2.	0.10	0.040	4.8×10^{-3}
3.	0.20	0.010	2.4×10^{-3}

Practice Problem #2

Run #	Initial [A] ($[A]_0$)	Initial [B] ($[B]_0$)	Initial Rate (v_0)
1	1.00 M	1.00 M	1.25×10^{-2} M/s
2	1.00 M	2.00 M	2.5×10^{-2} M/s
3	2.00 M	2.00 M	2.5×10^{-2} M/s

Practice Problem #3

$[NO_{(g)}]$ (mol dm^{-3})	$[Cl_{2(g)}]$ (mol dm^{-3})	Initial Rate (mol dm^{-3} s^{-1})
0.250	0.250	1.43×10^{-6}
0.250	0.500	2.86×10^{-6}
0.500	0.500	1.14×10^{-5}

Practice Problem #4

Exp.	$[S_2O_8^{2-}]$	$[I^-]$	Initial Rate (M/s)
1	0.08	0.034	2.2×10^{-4}
2	0.08	0.017	1.1×10^{-4}
3	0.16	0.017	2.2×10^{-4}

What counts as showing my work?

Trials being used	Which [ ] is held constant	Which [ ] is being changed and by what factor is it changed by	What factor is the rate changed by	Order based on rate data
1 & 3	[H₂]	[O₂] x 2	x 2	1

Does not have to be in chart format!
Basically you need to tell me which trials to look at,
and what they tell you

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