

A new salary **plan D** is being offered to the employees! Here is a table of the salaries each week:

Week	Salary
1	1089
2	1156
3	1225
4	1296
5	1369
6	1444
7	1521
\vdots	\vdots

- (1) For the new salary plan, can you use proportional reasoning to deduce your salary in week 10 knowing your salary in week 2?
- (2) Does plan D follow a linear relation? What are the different methods you can use to answer this question?
- (3) Does plan D follow an exponential relation? What are the different methods you can use to answer this question?
- (4) What kind of relation does plan D follow, and can you describe it algebraically?
- (5) What salary plan is better, A, B, C, or D? Is plan A better or worse than plan D?