

## 8.F Foxes and Rabbits

### Task

Given below is a table that gives the populations of foxes and rabbits in a national park over a 12 month period. Note that each value of  $t$  corresponds to the beginning of the month.

$t$ , month	1	2	3	4	5	6	7	8	9	10	11	12
$R$ , number of rabbits	1000	750	567	500	567	750	1000	1250	1433	1500	1433	1250
$F$ , number of foxes	150	143	125	100	75	57	50	57	75	100	125	143

- According to the data in the table, is  $F$  a function of  $R$ ? Is  $R$  a function of  $F$ ? Explain.
- Are either  $R$  or  $F$  functions of  $t$ ? Explain.



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