

Question 21 (3 marks)

Julie invests \$12 500 in a savings account. Interest is paid at a fixed monthly rate. At the end of each month, after the monthly interest is added, Julie makes a deposit of \$500.

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Julie has created a spreadsheet to show the activity in her savings account. The details for the first 6 months are shown.

<i>Month</i>	<i>Amount in account at beginning of month</i>	<i>Monthly interest</i>	<i>Deposit</i>	<i>Amount in account at end of month</i>
1	12 500.00	18.75	500	13 018.75
2	13 018.75	19.53	500	13 538.28
3	13 538.28	20.31	500	14 058.59
4	14 058.59	21.09	500	14 579.68
5	14 579.68	21.87	500	15 101.55
6	15 101.55	22.65	500	15 624.20
7			500	

By finding the monthly rate of interest, complete the final row above for the 7th month.

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