

.....(1)

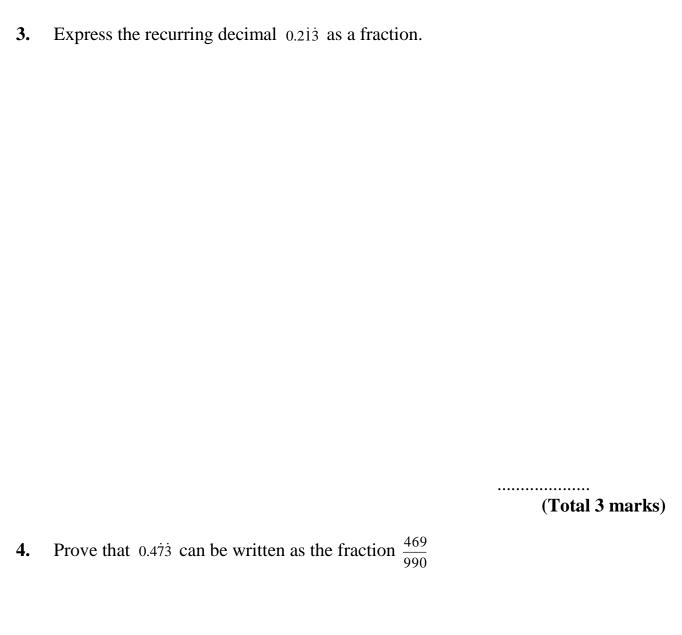
(b) Prove that the recurring decimal $0.\dot{3}\dot{9} = \frac{13}{33}$

(3) (Total 4 marks)

2. Prove that the recurring decimal $0.\dot{4}\dot{5} = \frac{15}{33}$

(Total 3 marks)





(Total 2 marks)



5. Prove that the recurring decimal $0.\dot{1}\dot{7} = \frac{17}{99}$

(Total 2 marks)

6. (a) Express $0.\overline{27}$ as a fraction in its simplest form.

.....



x is an integer such that $1 \le x \le 9$

(b) Prove that $0.\dot{0}\dot{x} = \frac{x}{99}$

- (2) (Total 5 marks)
- 7. Change the recurring decimal $0.\dot{2}\dot{3}$ to a fraction.

......(Total 2 marks)



i)	Convert the recurring decimal 0.36 to a fraction.
	- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
i)	Convert the recurring decimal 2.136 to a mixed number. Give your answer in its simplest form.
	(Total 5 marks)
onv	vert the recurring decimal 2.145 to a fraction.
	(Total 3 marks)
	i)



10.	Express the recurring decimal 0.126 as a fraction.
	(Total 3 marks)
11.	Express 0.3 28 as a fraction in its simplest form.
	(Total 3 marks)



12.	The recurring decimal $0.\dot{7}\dot{2}$ can be written as the fraction	<u>8</u> 11
	Write the recurring decimal $0.5\dot{7}\dot{2}$ as a fraction.	
		(Total 2 marks)
13.	Express the recurring decimal 2.06 as a fraction. Write your answer in its simplest form.	
	,	
		(Total 3 marks)