a) Work out 0. $\dot{6} \times 0. \dot{5}\dot{4}$ giving your answer as a fraction in its simplest form.		b) Work out 0.3×0.81 giving your answer as a fraction in its simplest form.	
Can we write the decimals as fractions?	$x = 0.\dot{6}$ $10x = 6.\dot{6}$ $9x = 6$ $x = \frac{6}{9} = \frac{2}{3}$ $y = 0.\dot{5}\dot{4}$ $\frac{10y = 5.\dot{4}\dot{5}}{100y = 54.\dot{5}\dot{4}}$ $99y = 54$ $y = \frac{54}{99} = \frac{6}{11}$	Can we write the decimals as fractions?	$x = 0.\dot{3}$ $10x = 3.\dot{3}$ $9x = 3$ $x = \frac{3}{9} = \frac{1}{3}$ $y = 0.\dot{8}\dot{1}$ $\frac{10y = 8.\dot{1}\dot{8}}{100y = 81.\dot{8}\dot{1}}$ $99y = 81$ $y = \frac{81}{99} = \frac{9}{11}$
Can we re-write the multiplication using fractions?	$\frac{2}{3} \times \frac{6}{11} = \frac{12}{33}$	Can we re-write the multiplication using fractions?	
What is this in its simplest form?	$\frac{12}{33} = \frac{4}{11}$	What is this in its simplest form?	
	BACKWARD	FADED MATHS	

c) Work out 1. $2 \times 0. 18$ giving your answer as a fraction in its simplest form.		d) Work out 0. $\dot{6} \times 0.1 \dot{8}$ giving your answer as a fraction in its simplest form.
Can we write the decimals as fractions?	$x = 1.\dot{2}$ $10x = 12.\dot{2}$ 9x = 11 $x = \frac{11}{9}$	
Can we re-write the multiplication using fractions?		
What is this in its simplest form?		

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