ι)	Tens	Ones	1 each place value chart by 10 Tenths Hundreths		Thousandths	
	× 10					
	× 100					
	× 1000					
b)	Tens	Ones	 Tenths 	Hundreths	Thousandths	
	× 10			<u> </u>		
	× 100					
	× 1000					
c)	Tens	Ones	Tenths	Hundreths	Thousandths	
	× 10					
	× 100					
	× 1000					
Com	plete the missi	ng numbers in th	ris function mad	chine diagram.		Outrast
Com		ng numbers in th			Γ	Output
Com	plete the missi	ng numbers in th	nis function mad			Output
Com	plete the missi Input	ng numbers in th				Output

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α)	b)	c)	
0.5 × 10 = 5	5.6 × 100 = 56	0.65 × 1000 = 650	
d)	e)	f)	
3.05 × 100 = 305	50.3 × 10 = 5.03	0.005 × 1000 = 50 000	
Are these comparison statements	s correct? Explain your reasoning	. Using powers of ten, what could you	chana
	s correct? Explain your reasoning	J. Using powers of ten, what could you	. change
make it correct?	s correct? Explain your reasoning 100 < 0.251 × 1000		. chango
make it correct?			. chang
make it correct?			. chang
make it correct? 24.5 × 10 < 24.9 ×			. chang
make it correct? 24.5 × 10 < 24.9 ×	100 < 0.251 × 1000		. change
make it correct? 24.5 × 10 < 24.9 × 76 × 100 > 0.07 ×	100 < 0.251 × 1000 1000 < 0.69 × 100		. change
make it correct? 24.5 × 10 < 24.9 × 76 × 100 > 0.07 × A new television costs £175. Is F	100 < 0.251 × 1000 1000 < 0.69 × 100		. change
make it correct? 24.5 × 10 < 24.9 × 76 × 100 > 0.07 × A new television costs £175. Is F If I save £7.50 for 20 weeks, I wi	100 < 0.251 × 1000 1000 < 0.69 × 100 Trancis correct in her reasoning?		. change
make it correct? 24.5 × 10 < 24.9 × 76 × 100 > 0.07 × A new television costs £175. Is F If I save £7.50	100 < 0.251 × 1000 1000 < 0.69 × 100 francis correct in her reasoning?		. change
make it correct? 24.5 × 10 < 24.9 × 76 × 100 > 0.07 × A new television costs £175. Is F If I save £7.50 for 20 weeks, I wi have enough more	100 < 0.251 × 1000 1000 < 0.69 × 100 francis correct in her reasoning?		. change

ality App 1) Using only the numbers below, how many different multiplication calculations can you create and answer? Explain how you use multiplying by powers of ten to help.



	50	0.5	5000		1000 20		5			
	100	10 000	500				10			
a)	Take a route t	three-digit whole numl hrough the maze, wr		Start	^↓	×10	$\uparrow \downarrow$	÷10	^↓	×1000
		lation of the route. nishing number?		↑↓		↑↓		1↓		^↓
b)	Find a route the smallest number	rough the maze that cro er at the finish.	eates the	×100 ↑↓	$\uparrow \downarrow$	÷100 ↑↓	$\uparrow\downarrow$	÷10 ↑↓	^ ↓	÷1000
				÷10	^↓	×100	^↓	×1000	$\stackrel{>}{\leftarrow}$	×10
c)	Find a route the biggest number	rough the maze that cro at the finish.	eates the	^↓		↑↓		↑↓		↑↓
				÷1000	$\uparrow\downarrow$	×100	$\uparrow\downarrow$	÷100	$\stackrel{>}{\leftarrow}$	Finisl
d)	Find a route th	rough the maze that cr	eates the same nu	ımber at	the star	t and fir	ıish.	·,		



