Success Criteria for Converting into Standard Form	Completed
Does my answer have two parts?	
$$a \times 10^n$$ Is **"a"** a number between 1 and 10 (but not 10)? Is the decimal point in the correct place?	
Have you remembered to write the **"×10"**?	
Is **n** an integer or whole number?	
Is **n** a negative or positive integer? Is the initial value less than or greater than 1? Less than 1 means a negative value.	
Have I counted the correct number of places to "move the decimal point?"	

Success Criteria for Multiplying Standard Form	Completed
$$a \times 10^n \times b \times 10^m$$ ➔ $a \times b \times 10^n \times 10^m$ Have I split my numbers up into the two parts... the decimal number and the exponent? (10^n)	
Have I multiplied the two decimal numbers by each other? $a \times b$	
$$10^n \times 10^m \rightarrow 10^{n+m}$$ Have I multiplied the exponents by each other by adding the indices?	
Have I checked that a is between 1 and 10, but not 10? This catches people out so be careful.	
Have I written my answer in the correct form?	

Success Criteria for Dividing Standard Form	Completed
$$\frac{a \times 10^n}{b \times 10^m}$$ ➜ $a \div b$; $10^n \div 10^m$ Have I split my numbers up into the two parts… the decimal number and the exponent? (10^n)	
Have I divided the two decimal numbers by each other? $a \div b$	
$$10^n \div 10^m \rightarrow 10^{n-m}$$ Have I divided the exponents by each other by subtracting the indices?	
Have I checked that **a** is between 1 and 10, but not 10? This catches people out so be careful.	
Have I written my answer in the correct form?	