

## Mathematics

## Number and Algebra



## Decimal Disco



## Aim

- To multiply and divide whole numbers and decimals by 10, 100 and 1000.


## Success Criteria

- I can multiply and divide numbers by 10 by moving each digit one place to the left or right.
- I can multiply and divide numbers by 100 by moving each digit two places to the left or right.
- I can multiply and divide numbers by 1000 by moving each digit three places to the left or right.


## Decimal Dancing

How are your dance moves today?


## Decimal Dancing

Get dancing!

C. REGENT STUDIES Focused education on life's walk:

## Multiplying and Dividing by 10,100 and 1000

How do we multiply whole numbers by 10,100 and 1000?


# Multiplying and Dividing by 10, 100 and 1000 

How do we divide whole numbers by 10, 100 and $1000 ?$


## The Decimal Point

When we calculated $167000 \div 100$,
we moved each digit two places to the right.


## The Decimal Point

Let's work out $1834.53 \times 10$.


## The Decimal Point

Let's work out $324.5 \div 10$.


## The Decimal Point

Let's work out $92 \div 100$.


## Practise

Time to show us your moves! Complete these calculations.
Check with your partner to see if they got the same answers as you.


## Decimal Disco

Use your marvellous mathematic skills to complete these activities:


## Disco Lights

Use your Disco Lights Card to show how confident you feel about multiplying and dividing by 10,100 and 1000 across a decimal point.


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