

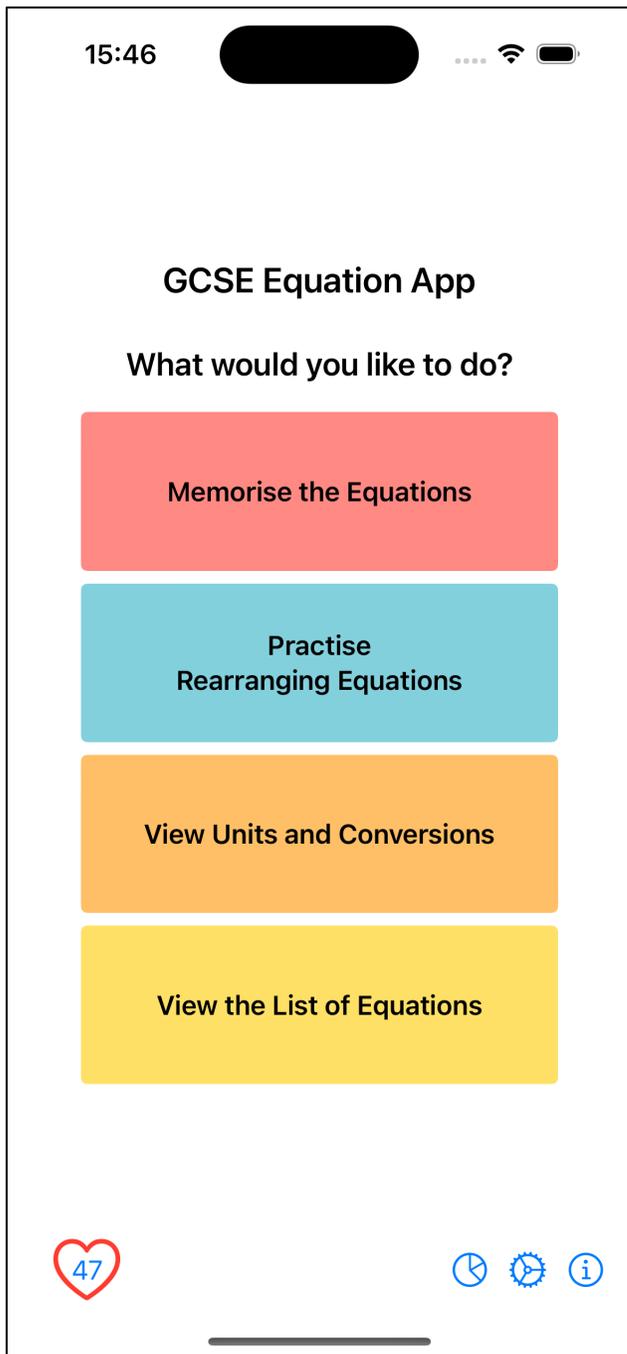
# GCSE Equation App

For iPhone and iPad



Download on the  
**App Store**

[www.gcsephysics-equations.uk](http://www.gcsephysics-equations.uk)



# Choose what you want to do:

- Memorise Equations
- Practise Rearranging Equations
- View Units and Conversions
- View the List of Equations

21:46



## GCSE Equation App

What would you like to do?

Memorise the Equations

Practise  
Rearranging Equations

View Units and Conversions

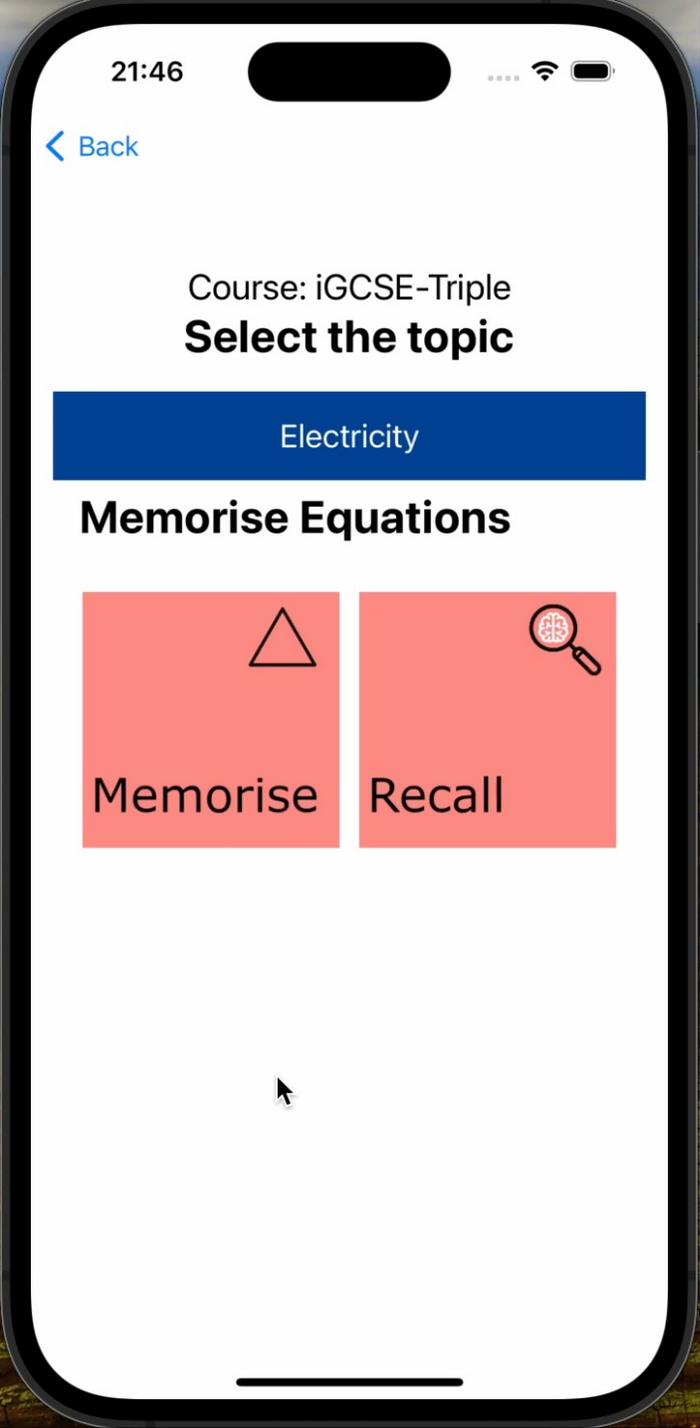
View the List of Equations

46

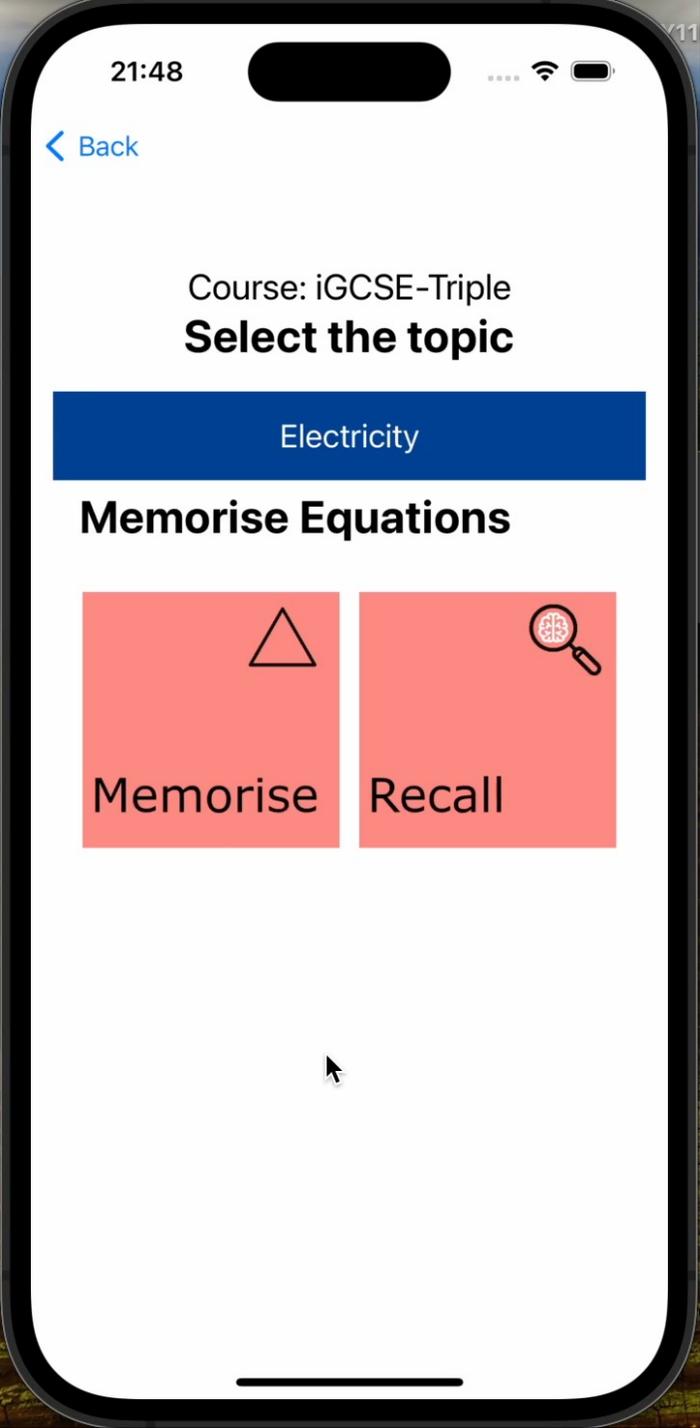


# Memorise the equation

## Choose the paper or topic you want to revise



**Tap Memorise:**  
You will be presented with the equation to memorise and tested soon after.



**Tap Recall:**  
Test your memory.  
Tap **Answer** in the top bar if you want to check your answer immediately, or leave it off to have a summary at the end.

19:12

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Course: iGCSE-Triple  
**Select the topic**

Electricity

### Formula Triangles



Build



Rearrange

### Algebra

+ -

x ÷

Rearrange

## Practice Rearranging Equation

Learn to build triangles and use them to rearrange Equations.

OR

Rearrange with Algebra

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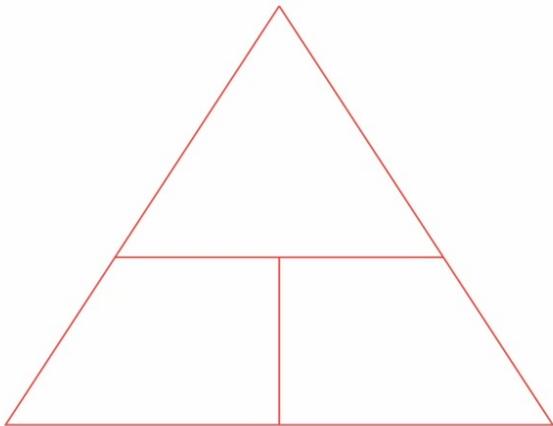
Answers off

Question 2 of 6

Drag the symbols into the triangle

charge = current x time

$$Q = I \times t$$



Q

t

I

▷ next

# Build formula triangles

21:58



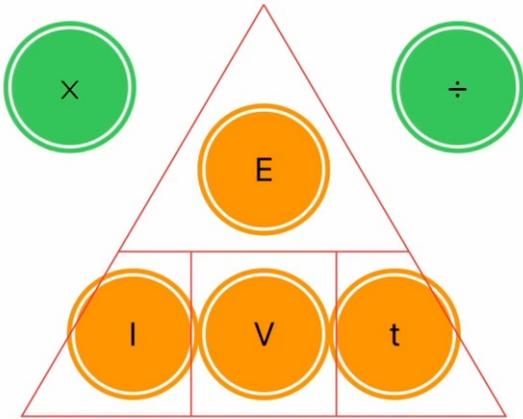
< Back

Answers off

Question 1 of 6  
Tap the symbols

energy transferred = current x potential difference x time

$$E = I \times V \times t$$



Tap to rearrange for  
potential difference

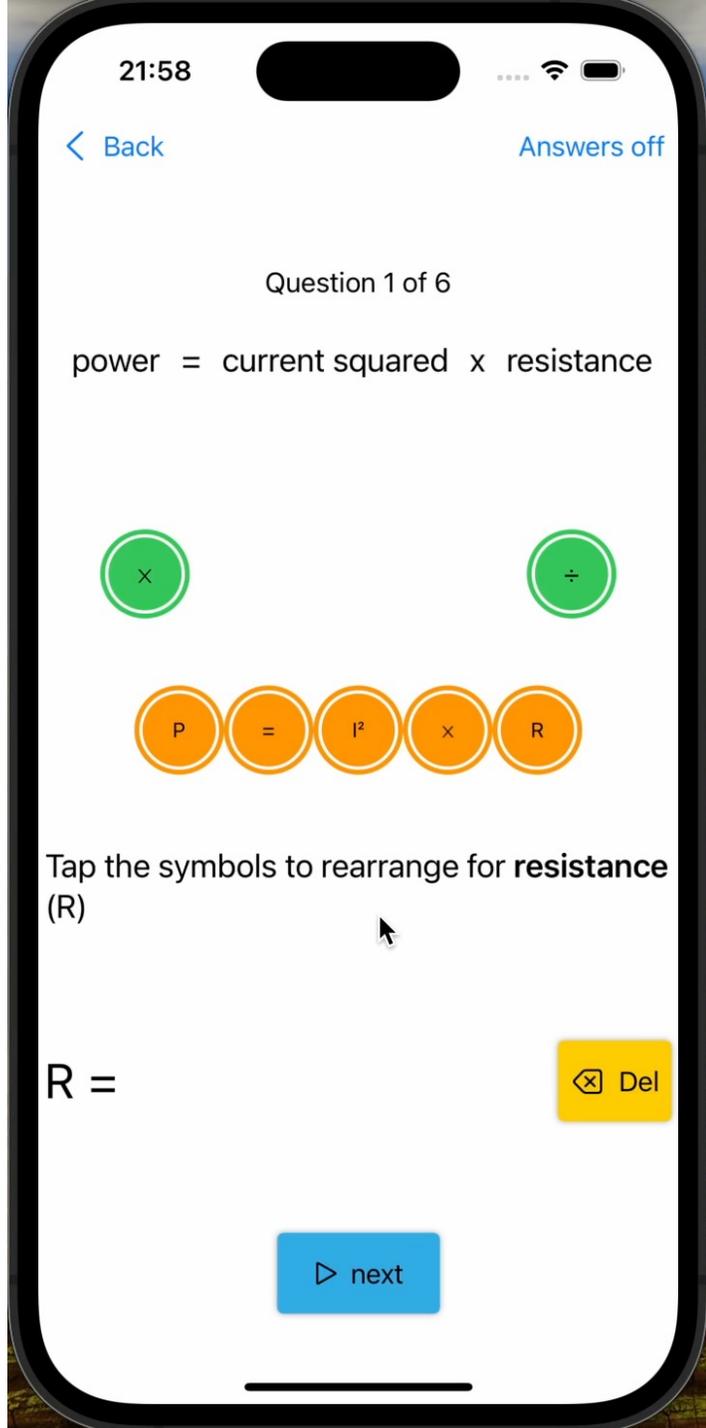
V =

Del

next

# Rearrange with formula triangles





# Rearrange with Algebra

# View Units, Conversion or Equation Lists

19:30

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**Powers of 10**

Name	Symbol	Power	Conversion
Tera	(T)	$10^{12}$	$\times 1,000,000,000,000$
Giga	(G)	$10^9$	$\times 1,000,000,000$
Mega	(M)	$10^6$	$\times 1,000,000$
kilo	(k)	$10^3$	$\times 1,000$
millie	(m)	$10^{-3}$	$\div 1,000$
micro	( $\mu$ )	$10^{-6}$	$\div 1,000,000$
nano	(n)	$10^{-9}$	$\div 1,000,000,000$
pico	(p)	$10^{-12}$	$\div 1,000,000,000,000$

**Other Conversions**

Type	Conversion
cm to m	$\div 100$
km/h to m/s	$\div 3.6$
minutes to seconds	$\times 60$
hours to seconds	$\times 3600$

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velocity - Metre per Second [m/s]

acceleration - Metre per Second Squared [m/s<sup>2</sup>]

force - Newton [N]

mass - Kilogram [kg]

distance - Metre [m]

time - Second [s]

current - Amp [A]

potential difference - Volt [V]

charge - Coulomb [C]

resistance - Ohm [ $\Omega$ ]

pressure - Pascal [Pa]

frequency - Hertz [Hz]

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Course: iGCSE-Triple

**Select the topic**

Electricity

charge = current x time

$Q = I \times t$

---

power = work done  $\div$  time

$P = W \div t$

---

potential difference = current x resistance

$V = I \times R$