

# Course Mapping Guide

## International Mathematics

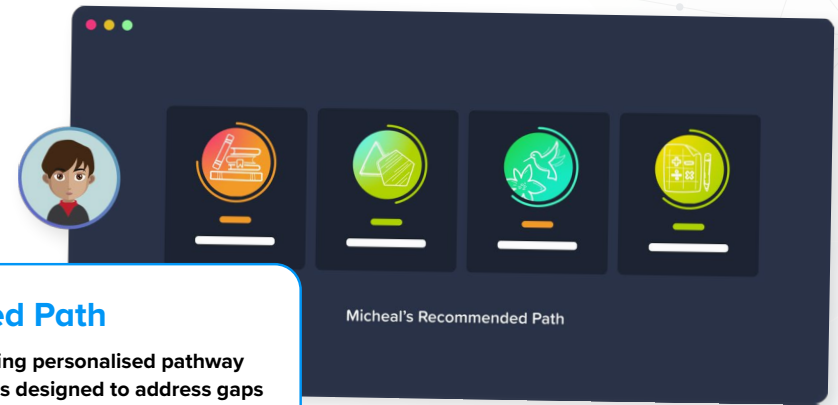
# About CENTURY

CENTURY is a learning platform that uses artificial intelligence to personalise learning for every learner. Our team of experienced teachers have created all of our content for English, maths, science, geography and physical education from years 2 to 11, as well as functional skills content for post-16 learners. All courses are aligned to the national curriculum and national standards.

- ✓ Learning materials and questions for primary, secondary and post-16 learners
- ✓ Tailored to each learner's skills and knowledge
- ✓ Powered by the world's leading adaptive learning platform
- ✓ Web-based learning for tablets, laptops and desktops



# How does CENTURY work?



## Diagnostics

Learners begin by completing diagnostics that quickly identify knowledge gaps and misconceptions, and help CENTURY recommend the best learning materials for each individual learner.

## Recommended Path

This constantly adapting personalised pathway contains micro-lessons designed to address gaps in knowledge, provide stretch and challenge and promote long-term memory retention.

## Leadership Dashboard

Senior and middle leaders get an overview of performance and engagement on a subject, class and learner level.

## Achievements

Learners get rewarded with badges and streaks for completing micro-lessons or for using CENTURY over a certain period of time to increase their motivation and engagement.

## Automated Marking

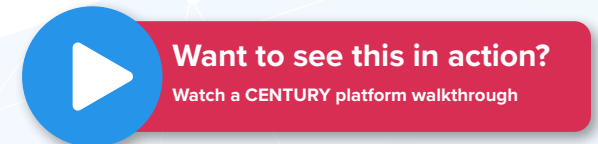
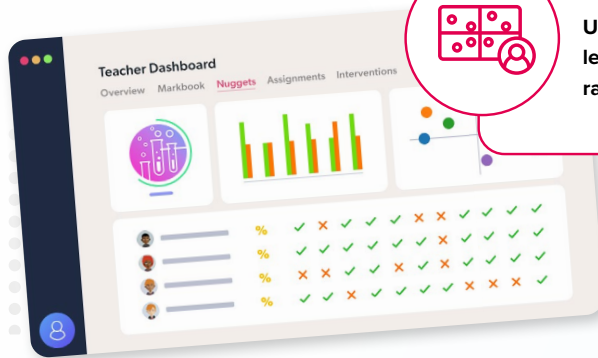
Teachers can view data in real time, to help quickly identify which learners require additional support or further stretch.

## Teacher Dashboard

Use the markbook to monitor individual learners and whole-class trends with a range of dashboards.

## Learner Dashboard & Guardian Portal

Learners can identify their strengths and areas for improvement. Parents and guardians can monitor their learner's progress, completed work, and see work set.



# Mathematics Courses



## Primary

### Year Group Specific →

Year 2 Mathematics  
Year 3 Mathematics  
Year 4 Mathematics  
Year 5 Mathematics  
Year 6 Mathematics

### Additional →

Year 2 Multiplication Tables  
Multiplication Tables  
Year 5-6 Arithmetic

### Cambridge →

Stage 2 Mathematics  
Stage 3 Mathematics  
Stage 4 Mathematics  
Stage 5 Mathematics  
Stage 6 Mathematics

### International Baccalaureate - PYP →

Grade 1 Mathematics  
Grade 2 Mathematics  
Grade 3 Mathematics  
Grade 4 Mathematics  
Grade 5 Mathematics

## Secondary

### Secondary →

Mathematics Secondary (F & H)  
Mathematics Secondary (F+)  
Bridge to A-Level Mathematics

### Edexcel →

Number and Measure Level 1 & 2: Edexcel Award  
Algebra Level 2 & 3: Edexcel Award

### WJEC →

Mathematics GCSE Unit 1, 2 & 3 WJEC (F & H)

### IGCSE Cambridge →

IGCSE Cambridge (Core & Extended)  
International IGCSE Cambridge (Core & Extended)

### IGCSE Edexcel →

IGCSE Edexcel (F & H)  
Mathematics IGCSE Unit 1: Edexcel Modular (F & H)  
Mathematics IGCSE Unit 2: Edexcel Modular (F & H)

### Financial Maths →

Financial Maths

### International Baccalaureate - MYP →

Bridge to DP Mathematics  
Mathematics MYP

## Post-16

### Advanced Maths →

Advanced Maths: Differentiation  
Advanced Maths: Functions  
Advanced Maths: Binomial Expansion

### GCSE Post-16 →

Mathematics GCSE Post-16 (F & H)  
Number and Measure Level 1 & 2: Edexcel Award

### GCSE Post-16 WJEC →

Mathematics GCSE: WJEC Post-16

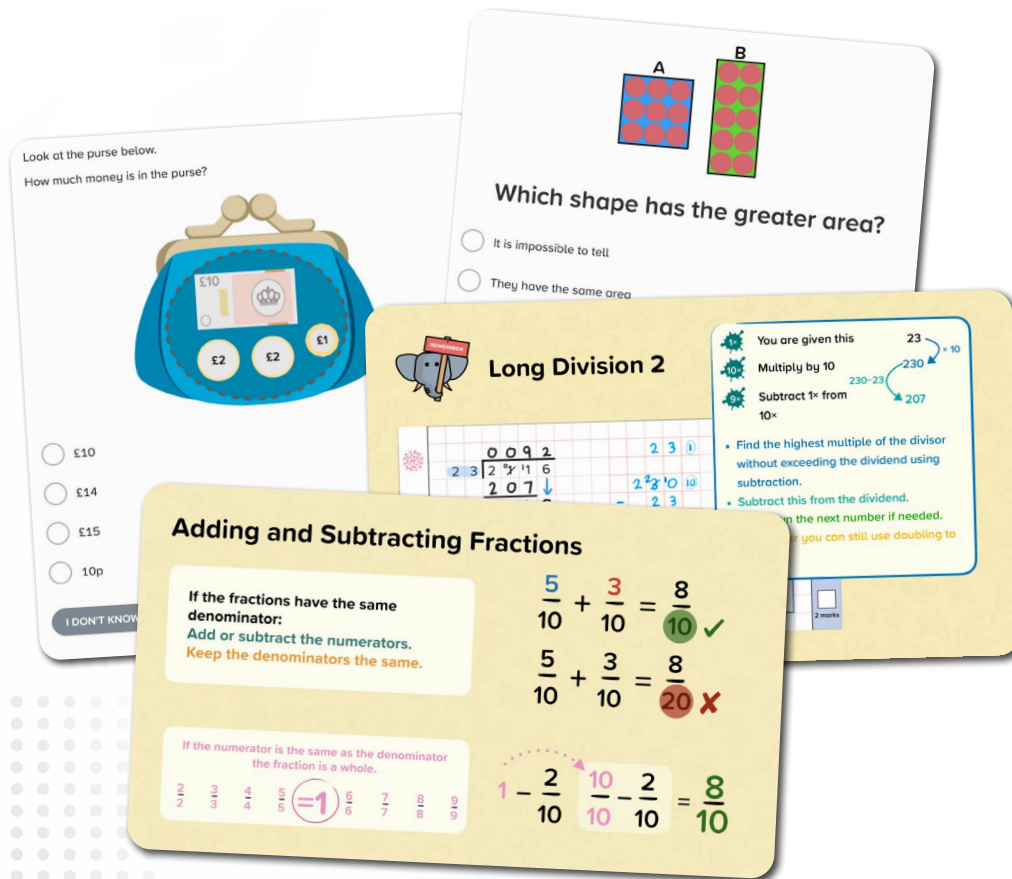
### Mathematics Courses - Functional Skills →

Mathematics Functional Skills (Entry 1 - Level 2)

# Mathematics Courses

## Primary - Year Group Specific

Our primary mathematics offering includes specific courses for each year group, from years 2 to 6.



### Year 2 Mathematics



### Year 3 Mathematics



### Year 4 Mathematics



### Year 5 Mathematics



### Year 6 Mathematics

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# Mathematics Courses

## Primary - Additional Courses

Our primary mathematics offering includes specific courses for each year group, from years 2 to 6.



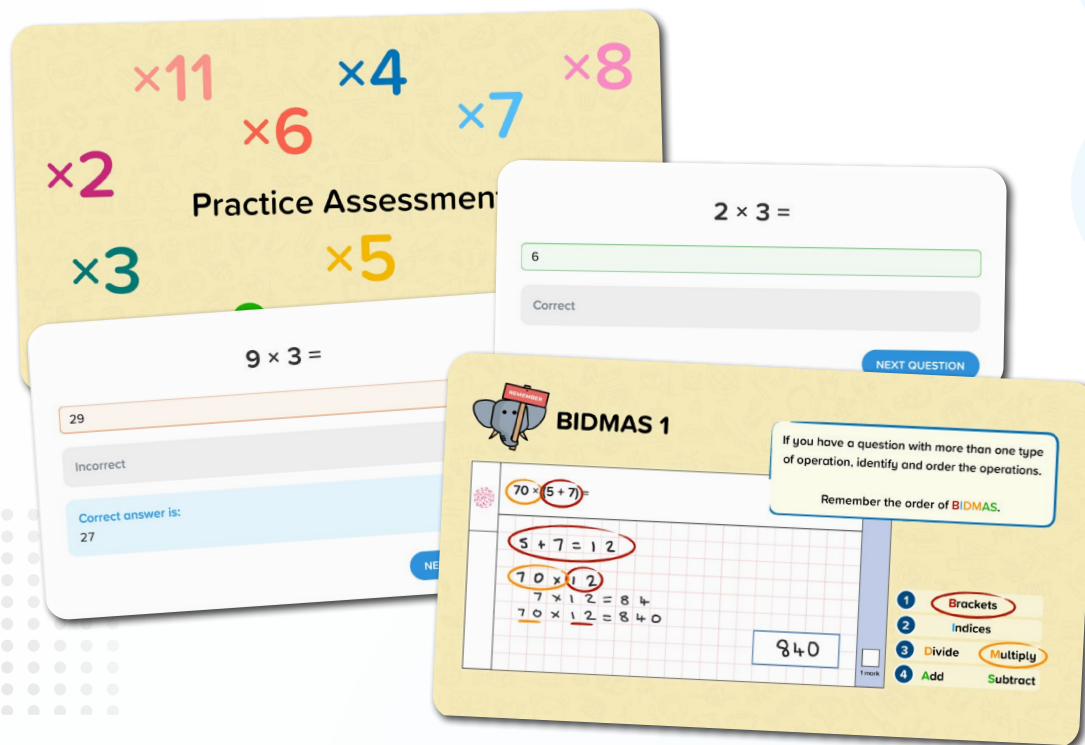
**Year 2 Multiplication Tables**



**Multiplication Tables**



**Year 5-6 Arithmetic**

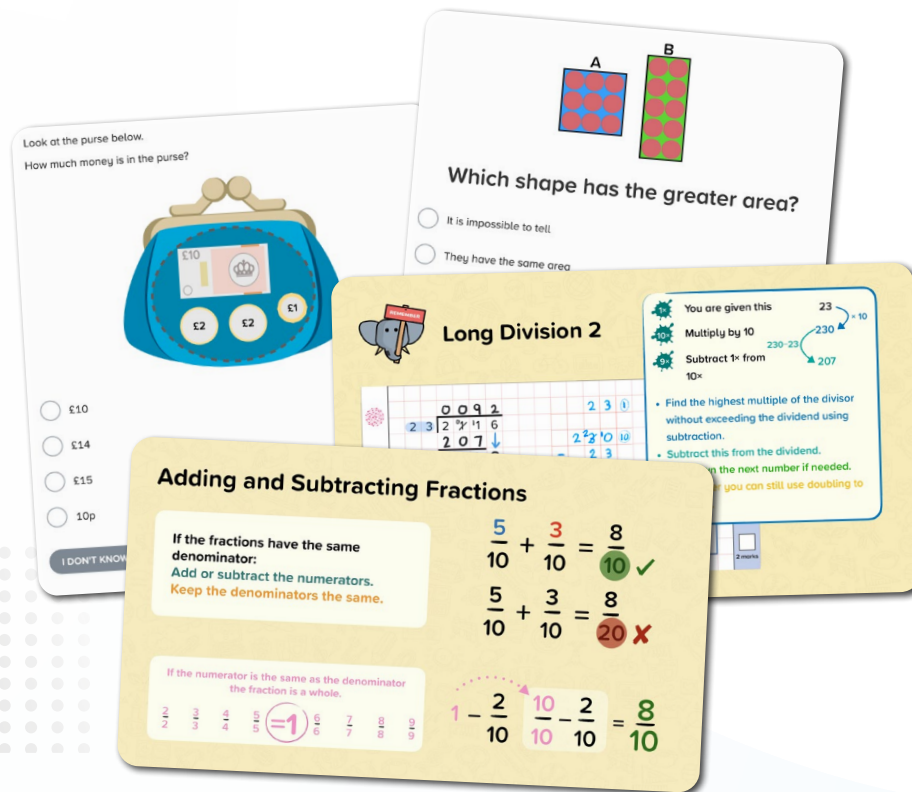


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# Mathematics Courses

## Primary - Cambridge

Our Cambridge courses are aligned to the Curriculum Framework for Cambridge Primary Mathematics 0096. They provide the mathematic skills, knowledge and practice required to support and stretch students from stage 2 to 6.



### Stage 2 Mathematics: Cambridge



### Stage 3 Mathematics: Cambridge



### Stage 4 Mathematics: Cambridge



### Stage 5 Mathematics: Cambridge



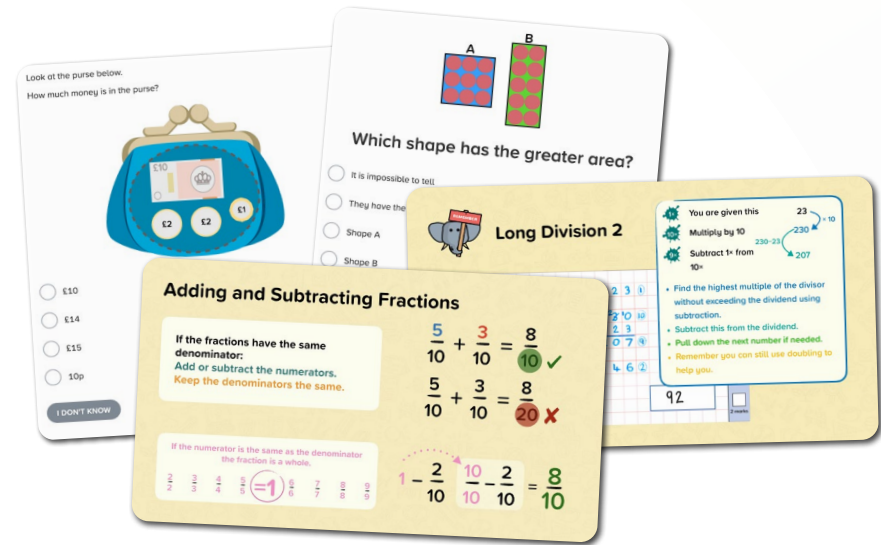
### Stage 6 Mathematics: Cambridge

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# Mathematics Courses

## International Baccalaureate PYP

Our IB courses provide the mathematical skills, knowledge and practice required for those studying either PYP or MYP.



### Grade 1 Mathematics



### Grade 1 Multiplication Tables



### Grade 2 Mathematics



### Grade 3 Mathematics



### Grade 4 Mathematics



### Grade 5 Mathematics



# Mathematics Courses

## Secondary

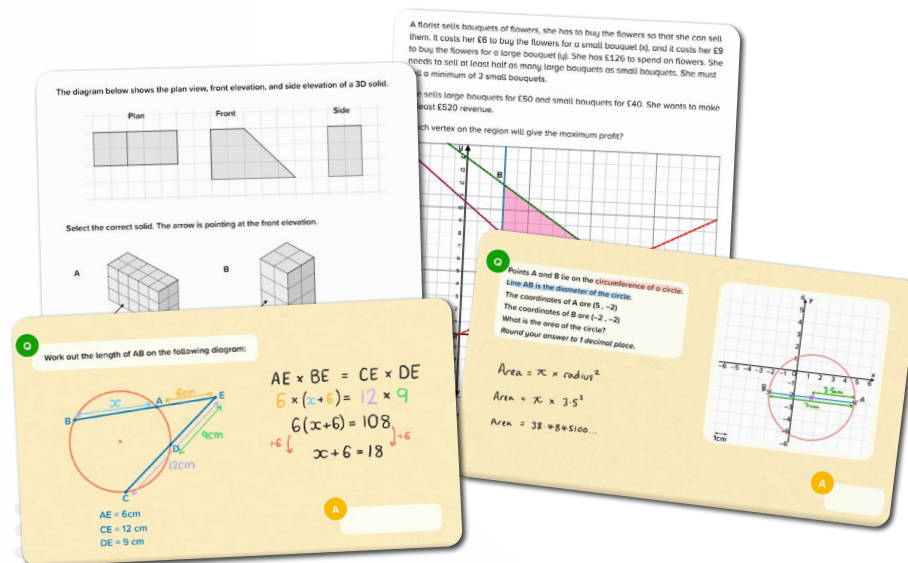
These courses have been created by our team of experienced secondary mathematics teachers.

Edexcel Specification: 1MA1

AQA Specification: 8300

OCR Specification: J560

Eduqas Specification: C300P



### Mathematics Secondary (F)



### Mathematics Secondary (H)



### Mathematics Secondary (F+)



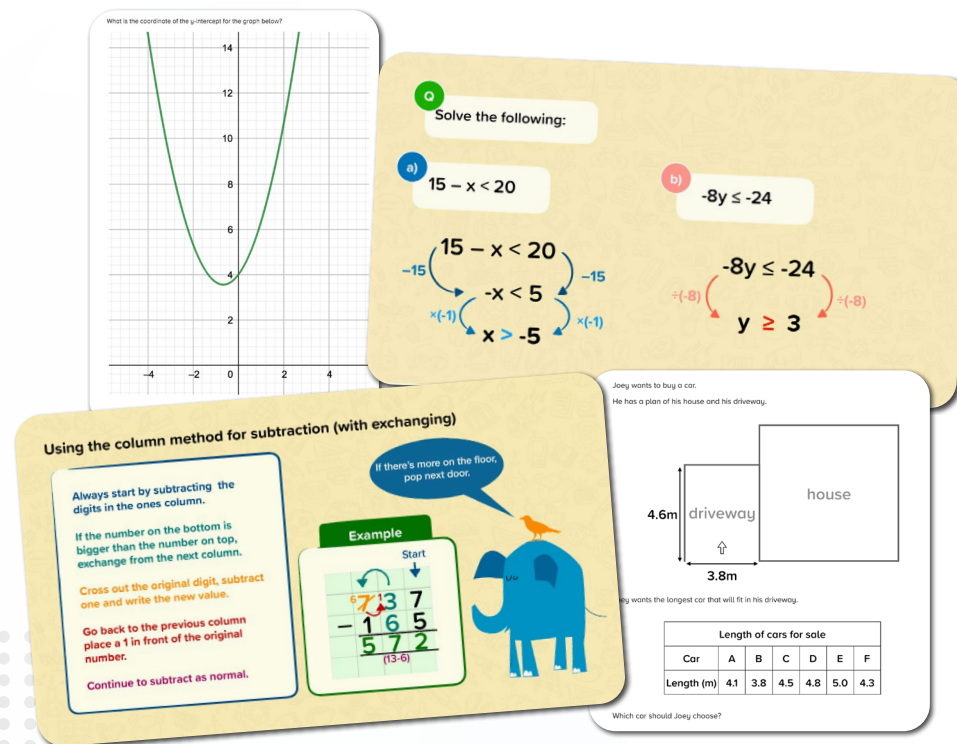
### Bridge to A-Level Mathematics

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# Mathematics Courses

## Secondary Edexcel

These courses have been created by our team of experienced secondary mathematics teachers.



### Number & Measure Level 1: Edexcel Award

Specification: ANM10  
QAN: 600/2241/3



### Number & Measure Level 2: Edexcel Award

Specification: ANM10  
QAN: 600/2242/5



### Algebra Level 2: Edexcel Award

Specification: AAL20  
QAN: 600/6631/3



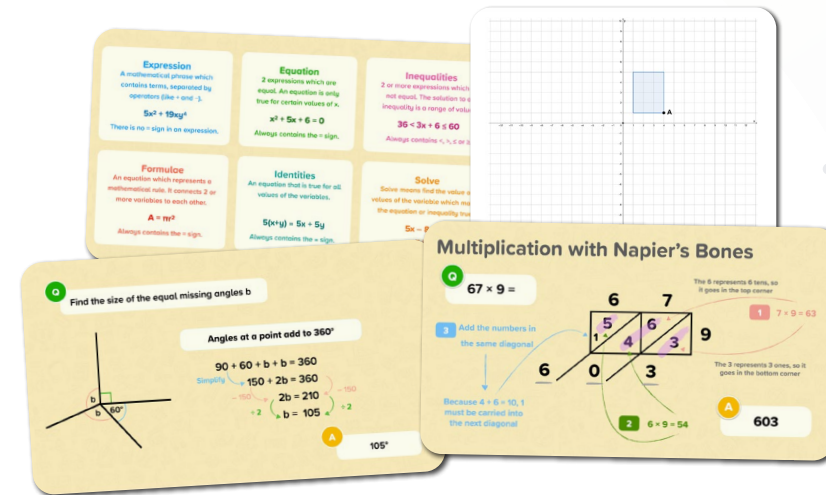
### Algebra Level 3: Edexcel Award

Specification: AAL30  
QAN: 600/6632/5

# Mathematics Courses

## Secondary WJEC

These courses have been created by our team of experienced secondary mathematics teachers.



### Mathematics GCSE Unit 1: WJEC (F)

Specification: 3320UA  
QAN: C00/4968/0



### Mathematics GCSE Unit 1: WJEC (H)

Specification: 3320U1  
QAN: C00/4968/0



### Mathematics GCSE Unit 2: WJEC (F)

Specification: 3320UB  
QAN: C00/4968/0



### Mathematics GCSE Unit 2: WJEC (H)

Specification: 3320U2  
QAN: C00/4968/0



### Mathematics GCSE Unit 3: WJEC (F)

Specification: 3320UC  
QAN: C00/4968/0



### Mathematics GCSE Unit 3: WJEC (H)

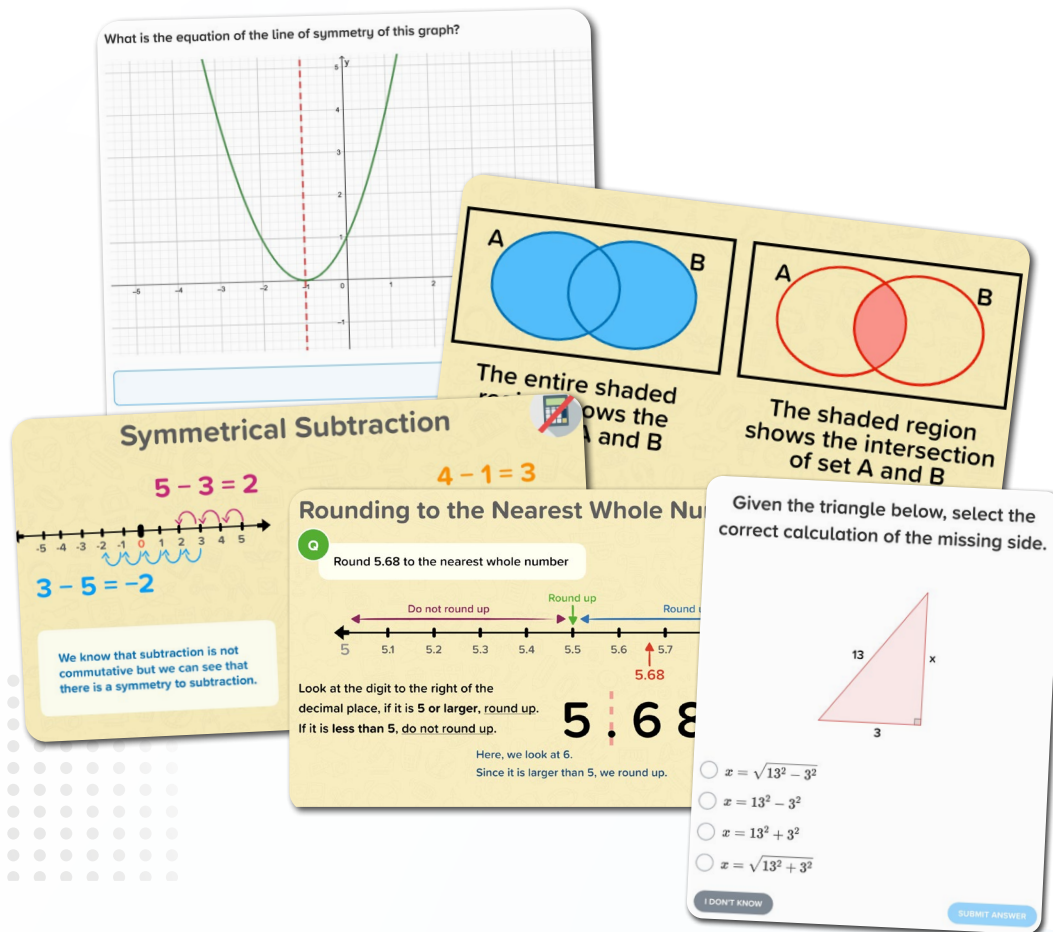
Specification: 3320U3  
QAN: C00/4968/0

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# Mathematics Courses

## IGCSE Cambridge

These courses have been created by our team of experienced secondary mathematics teachers.



### Mathematics IGCSE: Cambridge (Core)

Specification: 0580/0980



### Mathematics IGCSE: Cambridge (Extended)

Specification: 0580/0980



### Mathematics International IGCSE: Cambridge (Core)

Specification: 0607



### Mathematics International IGCSE: Cambridge (Extended)

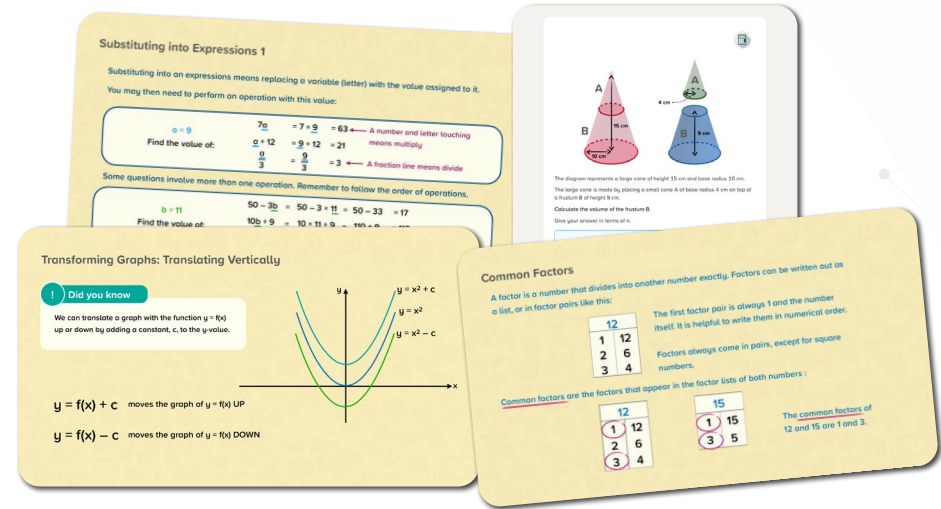
Specification: 0607

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# Mathematics Courses

## IGCSE Edexcel

These courses have been created by our team of experienced secondary mathematics teachers.



### Mathematics IGCSE: Edexcel (F)

Specification: 4MA1



### Mathematics IGCSE: Edexcel (H)

Specification: 4MA1



### Mathematics IGCSE Unit 1: Edexcel Modular (F)

Specification: 4XMAF



### Mathematics IGCSE Unit 1: Edexcel Modular (H)

Specification: 4XMAH



### Mathematics IGCSE Unit 2: Edexcel Modular (F)

Specification: 4XMAF



### Mathematics IGCSE Unit 2: Edexcel Modular (H)

Specification: 4XMAH

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# Mathematics Courses

## Financial Maths

This course covers skills relating to financial maths; including underlying mathematical skills as well as understanding of everyday finance and financial products.



### Financial Maths

Here is a part of a debit card statement.

**BANKKEYS**  
Current Account Statement  
Account number: 019832723478  
Sort Code: 40-00-15

Date	Description	£ Out	£ In
19th Oct	Barista Coffee - Salary	£125.00	
19th Oct	Best Gym	£34.50	
20th Oct	PizzaPalace	£19.95	
21st Oct	Big Bank - Cash Deposit		£50.00
22nd Oct	Denim Direct	£65.99	

How much money was paid into the account?  
£ \_\_\_\_\_

**Lords FlexSuper**  
✓ £2.50 a month  
✓ Free European travel insurance  
✓ Free roadside breakdown cover

**Lords FlexPremier**  
✓ £4 a month  
✓ 2% cashback on utility bills  
✓ 1% cashback on mobile bills and gym memberships

Some current accounts may have a monthly fee, but come with benefits which may include things like:

- Breakdown cover
- Travel insurance
- Cashback

There may be a requirement on these accounts to pay a minimum amount in to it every month.

calculated every month  
the changes in prices  
services. Prices are  
ess areas in the UK,  
regional differences

ded are known as  
oods. It is designed  
things people  
around 700  
n the basket, under  
ood, clothing,  
household utilities.

**Inflation Measures:**  
Consumer Price Index (CPI)  
Retail Price Index (RPI)

The basket of goods is regularly updated.  
Recently taken from...

Bryn wants to change some pounds to euros for his holiday to Italy. He has £300 to exchange.

**EUROS ARE US!**

Amount to exchange	Rate
£1 - £99.99	1.1598
£100 - £499.99	1.1619
£500 - £10,000	1.1623

How many euros will he get?  
You do not need to include units in your answer.

**Budgeting**

Budgeting can help with managing your money. Every month there are essential things to spend money on, these are usually:

- Rent or mortgage
- Bills (gas, electricity and water)
- Council Tax
- Internet and television
- Car or travel expenses
- Food

Any left over money is called your disposable income.

**Electricity Co.**  
Name and address  
Dr Kate Jones  
12 Woodford Drive  
Somerby  
SB3 8PY

Account No. 12345678  
Bill Ref: EB3

Statement Date 13th April  
Bill Period: 12/03/24 - 12/04/24

**Your Electricity Statement**  
Account Balance: £35.23 CR

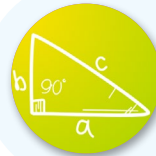
Electricity Costs  
£87.05 Inc. VAT at 5%

[Download course content](#)

# Mathematics Courses

## International Baccalaureate MYP

Our IB courses provide the mathematical skills, knowledge and practice required for those studying either PYP or MYP.



### Bridge to DP Mathematics



### Mathematics MYP

**Interpreting Venn Diagrams**

**Remember**

A Venn diagram can show the number of elements in sets.

A school completed a survey to see how many pupils play football or netball.

Football: 46, Netball: 26, Both: 10, Neither: 8

**Geometry Problem**

Points A and B lie on the circumference of a circle. Line AB is the diameter of the circle. The coordinates of A are (5, -2). The coordinates of B are (-2, -2). What is the area of the circle? Round your answer to 1 decimal place.

**Word Problem**

Maya left to go shopping at 4:41 pm and came back home at 5:17 pm. How long was her shopping trip?

☐ 1 hour and 27 minutes

☐ 1 hour and 8 minutes

☐ 14 minutes

☒ 46 minutes

Correct

**Bidmas: Brackets**

**Remember**

- Brackets
- Indices
- Divide
- Add

**Example**

$96 \div (12 - 4) = 12$

If you have a question with more than one type of operation, identify and order the operations.

You need to do any operations inside brackets before continuing on with the other operations.

$96 \div (12 - 4) = 12$  ✓

$12 - 4 = 8$

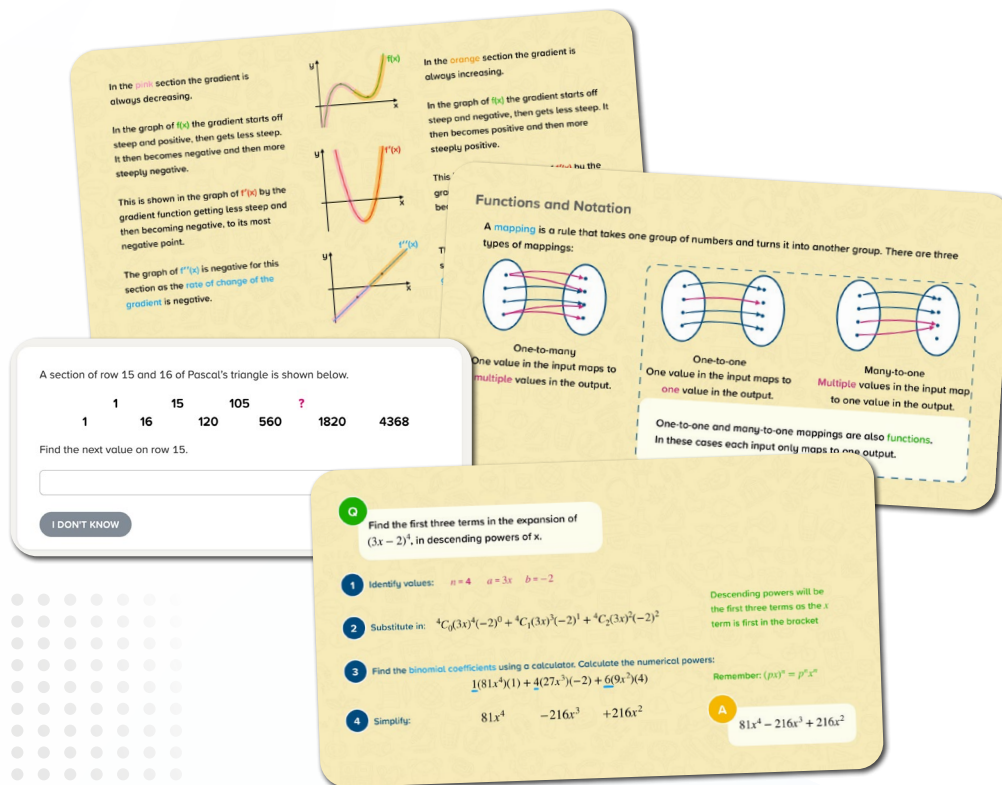
$96 \div 8 = 12$

**Next Question**

# Mathematics Courses

## Advanced Maths

These courses have been created by our team of experienced secondary mathematics teachers to support students taking advanced maths qualifications.



### Advanced Maths: Differentiation



### Advanced Maths: Functions



### Advanced Maths: Binomial Expansion

# Mathematics Courses

## GCSE Post-16

Our Post-16 GCSE courses are adapted from our secondary courses, with adult learners in mind. The courses have diagnostics which are designed to quickly identify a learner's strengths and weaknesses.

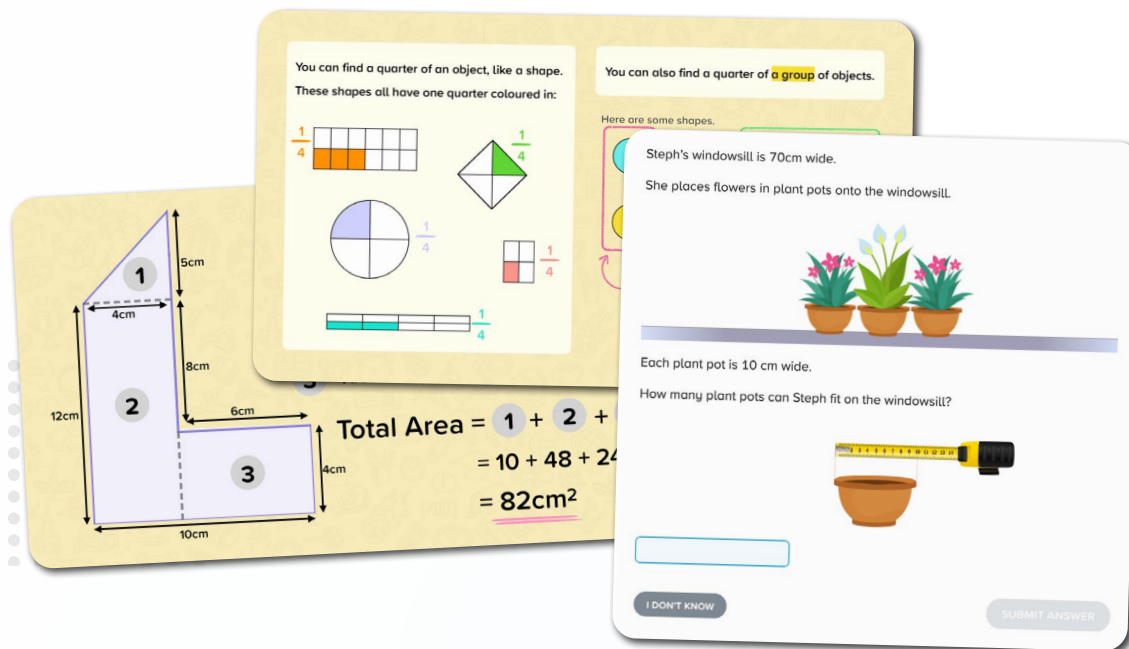
Mathematics GCSE Post-16 Courses suitable for all GCSE specifications:

Edexcel: 1MA1 (QAN: 601/4700/3)

AQA: 8300 (QAN: 601/4608/4)

OCR: J560 (QAN: 601/4606/0)

Eduqas: C300P (QAN: 601/5503/6)



### Mathematics GCSE Post-16 (F)



### Mathematics GCSE Post-16 (H)



### Number & Measure Level 1: Edexcel

Specification: ANM10



### Number & Measure Level 2: Edexcel

Specification: ANM20

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# Mathematics Courses

## GCSE Post-16 WJEC

These courses cover the WJEC GCSE Maths specification with a 'quickstart' diagnostic to start off recommendations, and focussed diagnostics on foundation/intermediate cross over topics and intermediate/higher cross over topics.



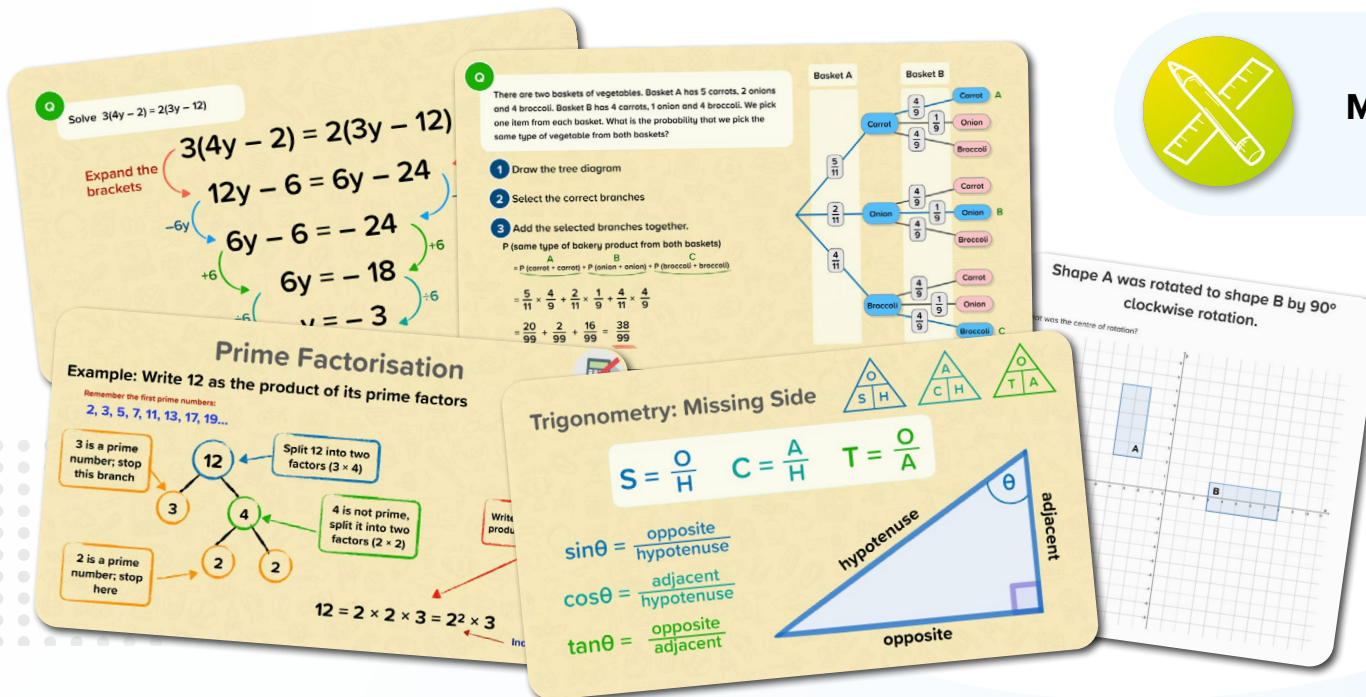
**Mathematics GCSE: WJEC (F)**



**Mathematics GCSE: WJEC (I)**



**Mathematics GCSE: WJEC (H)**



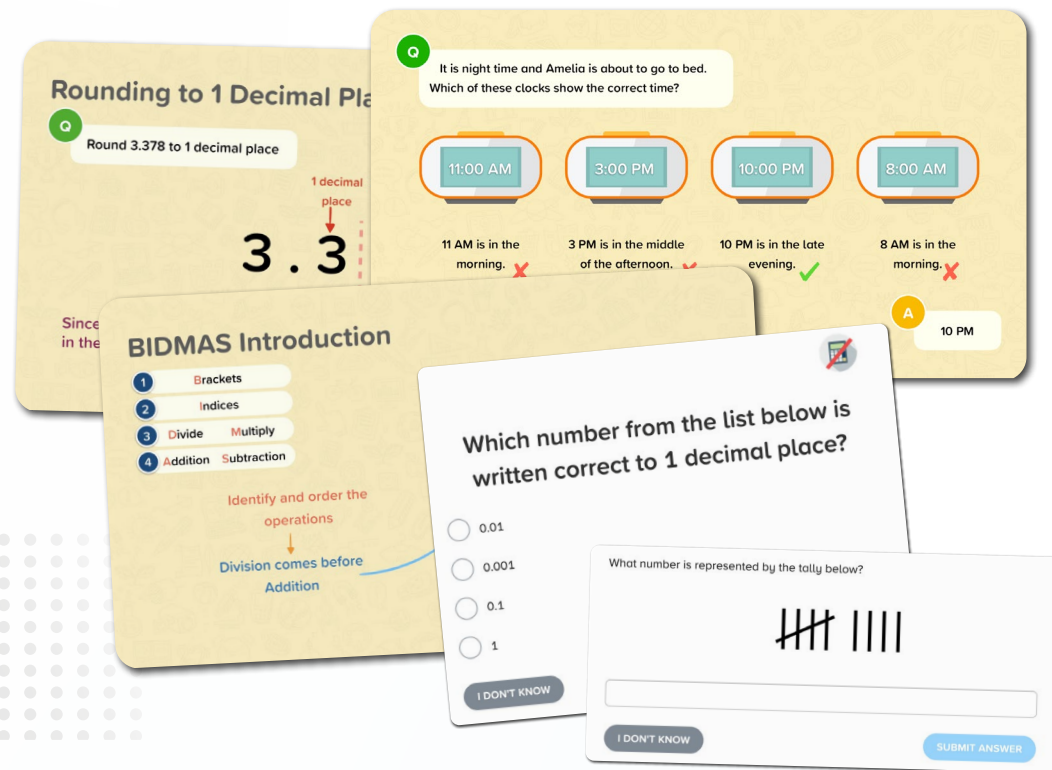
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# Mathematics Courses

## Functional Skills

Our functional skills courses cover the knowledge and skills required for the functional skills qualifications, mapped to the national requirements outlined by the DfE.



**Mathematics Functional Skills  
(Entry 1)**



**Mathematics Functional Skills  
(Entry 2)**



**Mathematics Functional Skills  
(Entry 3)**



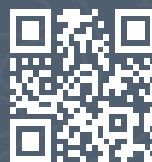
**Mathematics Functional Skills  
(Level 1)**



**Mathematics Functional Skills  
(Level 2)**

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**Questions?**  
Email [support@century.tech](mailto:support@century.tech)



**CENTURY**