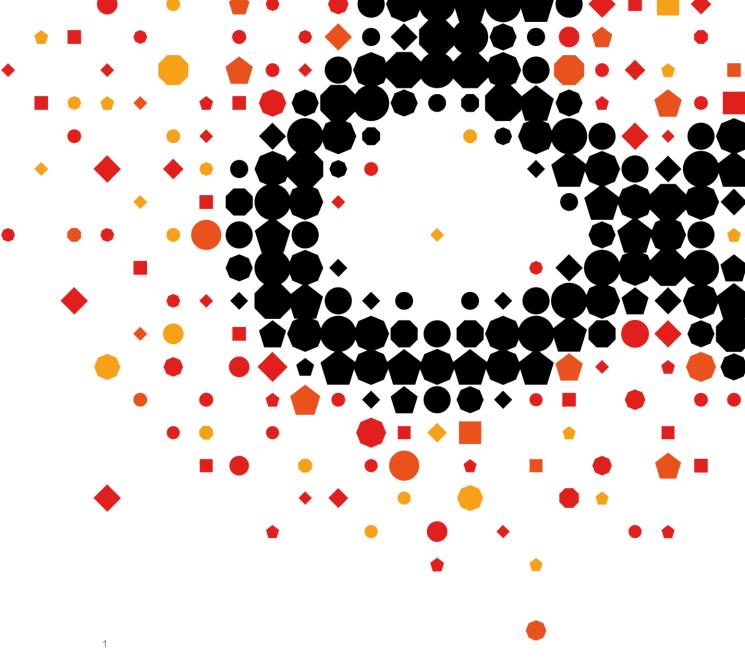
#FunSkills2019

Functional Skills 2019 monthly updates

A closer look at maths

Webinar 10 | June 2019





Welcome to webinar 10 – deep dive into maths



Amanda Kelly Industry Manager



Katherine Cooper Technical Advisor



Paul Sceeny Technical Advisor



Any questions?

As usual, please post your questions during the webinar. We might not be able to answer them live, but if not we'll add to the FAQs.

New to these webinars?

If this is your first webinar, you can find the link to the recordings of **all** previous webinar on our

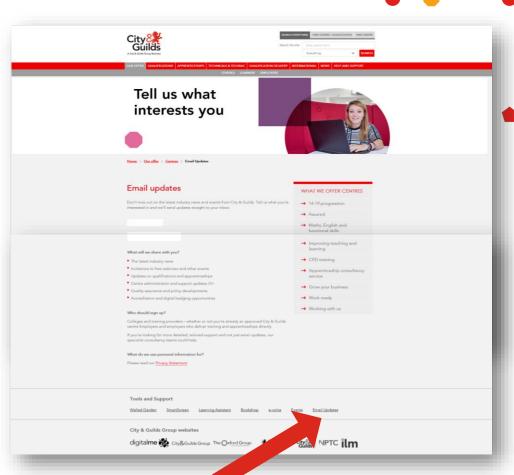
Functional Skills Updates page.











Don't forget

To stay up-to-date, you need to sign up for our email alerts!

Latest news



Don't forget the **draft** samples assessments for all of our reformed FS qualifications are on our current Functional Skills (3748) qualification documents webpage.



They are available from a folder called **Functional Skills reform** in the Additional documents folder.

Places still available on these events - book your place: bit.ly/CGMathsEnglishEvents

Day	Date	Location
Tuesday	16 July	Kendal College
Tuesday	30 July	PETA, Portsmouth
Thursday	8 August	City & Guilds office, Warrington
Tuesday	13 August	ILM office, Burntwood
Monday	19 August	City & Guilds office, London



Transition...

Transition from legacy Functional Skills to new qualifications:

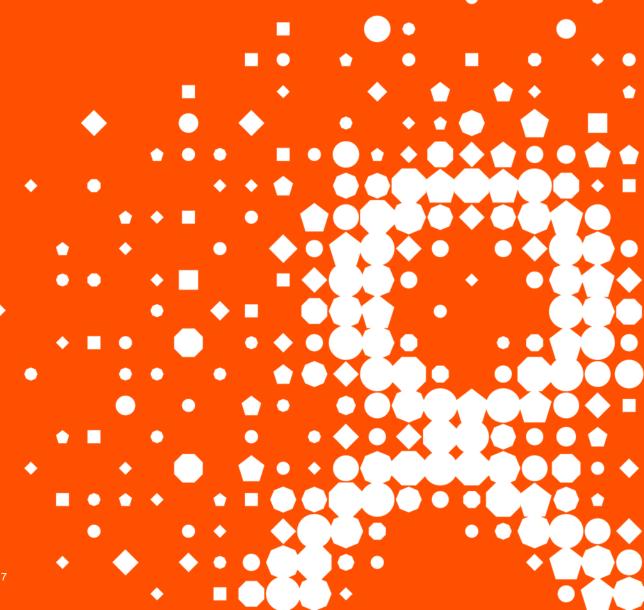
Date	FS Mathematics
31 August 2019	Last candidate registration date
30 April 2020	Final assessment date for internally assessed components (Entry level and Level 1-2 SLC)
31 May 2020	Final assessment date for Level 1-2
31 July 2020	Last date for EQA activity relating to Entry level
31 August 2020	Final certification date for legacy Functional Skills qualifications



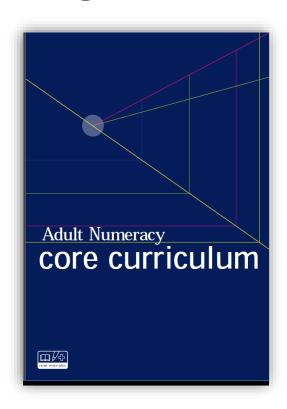


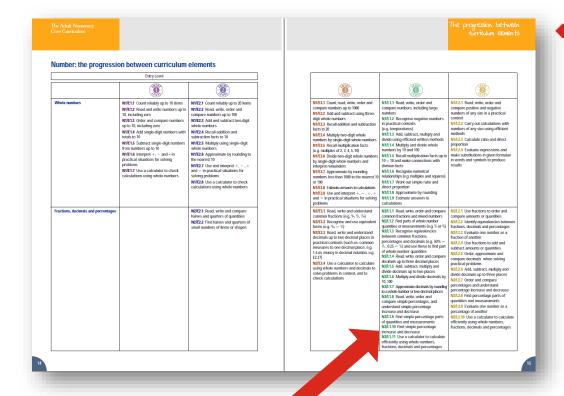
Diving into Level 1 and Level 2 maths





Using the Adult Numeracy Core Curriculum





Reference numbers



Level 1-2 exams



Design/Approach

- Externally set and marked.
- One paper with two sections
 - non-calculator
 - calculator.
- Overall time allowance
 - 1hr 45 min.
- Coverage
 - 80-90% of subject content statements.



Delivery

- Register for levels 1 & 2 using
 - 4748-04.
- Both sections must be taken together.
- Live assessments booked via Walled Garden.
- Paper-delivered or on-screen.



Assessment specification: Level 1 and Level 2

	Total marks	Calculator (75%)	Non- Calculator (25%)	Underpinning knowledge (25%)	Problem solving (75%)	Item types	Number of questions
Section 1 Non- calculator	15	0	15	10	5	Multiple choice; Short answer fixed response	15
Section 2 Calculator	45	45	0	5	40	Multiple Choice; Short answer fixed response; Short answer open response	15
Totals	60	45	15	15	45		30



Level 1 new content

- Follow the order of precedence of operators (SCS7)
- Calculate discounts in multiples of 5% on amounts of money (SCS19)
- Interpret plans, elevations and nets of simple 3-D shapes (SCS25)
- Use angles when describing position and direction, and measure angles in degrees (SCS26)

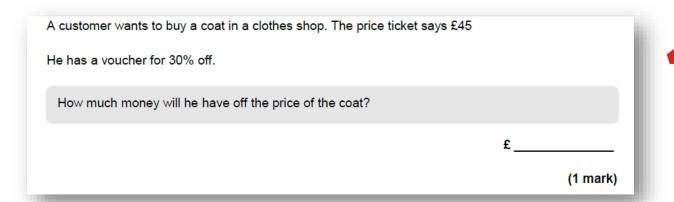
See gov.uk site for Subject Content document

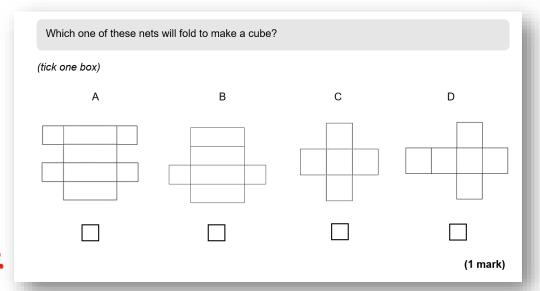




Examples of how this new content may be assessed...

Calculate discounts in multiples of 5% on amounts of money (SCS19)





Interpret plans, elevations and nets of simple 3-D shapes (SCS25)





•

Recognise and use positive and negative numbers (SCS2)

N1/L1.2

Use multiplication facts and make connections with division facts (SCS4)

N1/L1.5

Calculate the squares of one-digit and two-digit numbers (SCS6)

N1/L1.6

Add, subtract, multiply and divide decimals up to two decimal places (SCS11)

N2/L1.5

Approximate by rounding to a whole number or to one or two decimal places (SCS12)

N2/L1.7



Level 1 content assessed more explicitly, or in greater detail

Calculate percentages of quantities, including simple percentage increases and decreases by 5% and multiples thereof (SCS14)

N2/L1.10

Estimate answers to calculations using fractions and decimals (SCS15)

N1/L1.9

Recognise and calculate equivalences between common fractions, percentages and decimals (SCS16)

N2/L1.3

Calculate simple interest in multiples of 5% on amounts of money (SCS18)

Suggested activity for N1/L2

Read, write, order and compare percentages in whole numbers (SCS13)

N2/L1.1, N2/L1.3 and N2/L1.4



Level 1 content assessed more explicitly, or in greater detail

Group discrete data and represent grouped data graphically (SCS28)

HD1/L1.2

Calculate the volumes of cubes and cuboids (SCS23)

MSSL1.10

Use equally likely outcomes to find the probabilities of simple events and express them as fractions (SCS31)

HD2/L1.1 and HD2/L1.2

Represent discrete data in tables, diagrams and charts including pie charts, bar charts and line graphs (SCS27)

HD1/L1.2

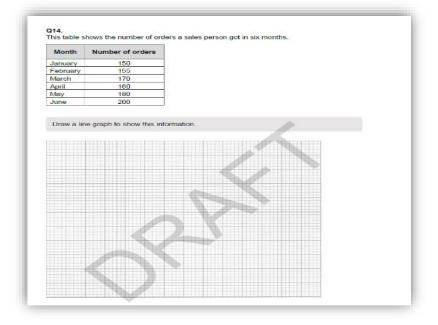


Types of questions



Add, subtract, multiply and divide decimals up to two decimal places (SCS11)

Group discrete data and represent grouped data graphically (SCS28)





Level 2 new content

- Calculate percentage change (any size increase and decrease), and original value after percentage change (SCS6)
- Follow the order of precedence of operators, including indices (SCS12)
- Calculate using compound measures including speed, density and rates of pay (SCS13)
- Use coordinates in 2-D, positive and negative, to specify the positions of points (SCS19)
- Draw 3-D shapes to include plans and elevations (SCS21)
- Calculate values of angles and/or coordinates with 2-D and 3-D shapes (SCS22)
- Estimate the mean of a grouped frequency distribution from discrete data (SCS24)
- Work out the probability of combined events including the use of diagrams and tables, including two-way tables (SCS26)
- Draw and interpret scatter diagrams and recognise positive and negative correlation (SCS28)



See gov.uk site for Subject Content document

Examples of how this new content may be assessed...

Calculate percentage change (any size increase and decrease), and original value after percentage change.

Q7.

A newspaper report says that a company made £700,000 profit last year. It says this was 12% more than the year before.

Work out how much profit the company made the year before.

Q11.

This table shows how much a garage pays its staff.

Pay rates				
Working day	Rate			
Monday to Friday	Normal rate			
Saturday or Sunday	1¼ x normal rate			

Last week, a mechanic worked $7\frac{1}{2}$ hours each day from Monday to Saturday. She did not work on Sunday.

Her normal rate of pay is £10.80 an hour.

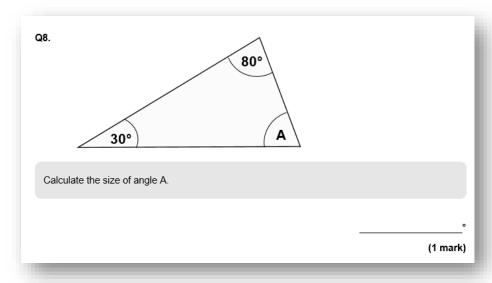
Work out her total pay for last week.

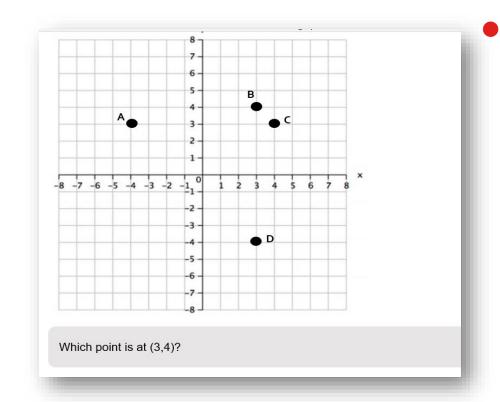
Calculate using compound measures including speed, density and rates of pay.



More examples...

Use coordinates in 2-D, positive and negative, to specify the positions of points





Calculate values of angles and/or coordinates with 2-D and 3-D shapes:



More examples of how new content might be assessed

Estimate the mean of a grouped frequency distribution from discrete data:

010

This table shows information about the number of photos a photographer's customers ordered last week.

Photos ordered	Number of customers
0 - 9	30
10 - 19	10
20 - 29	8
30 - 39	2
40 - 49	0
50 - 59	0

What was the average number of photos per customer?

Give your answer to the nearest whole number.





Greater clarity and more detail

Work out percentages of amounts and express one amount as a percentage of another (SCS5)

N2/L2.8 and N2/L2.9

Express one number as a fraction of another (SCS8)

N2/L2.2

Order, add, subtract and compare amounts or quantities using proper and improper fractions and mixed numbers (SCS7)

N2/L2.1 and N2/L2.4 also N2/L1.1

Order, approximate and compare decimals (SCS9)

N2/L2.5



More clarity and depth in content

Add, subtract, multiply and divide decimals up to three decimal places **(SCS10)**

N2/L2.6

Use formulae to find volumes and surface areas of 3-D shapes including cylinders (formulae to be given for 3-D shapes other than cylinders) (SCS17)

MSS1/L2.7, MSS1/L2.8 and MSS1/L2.9

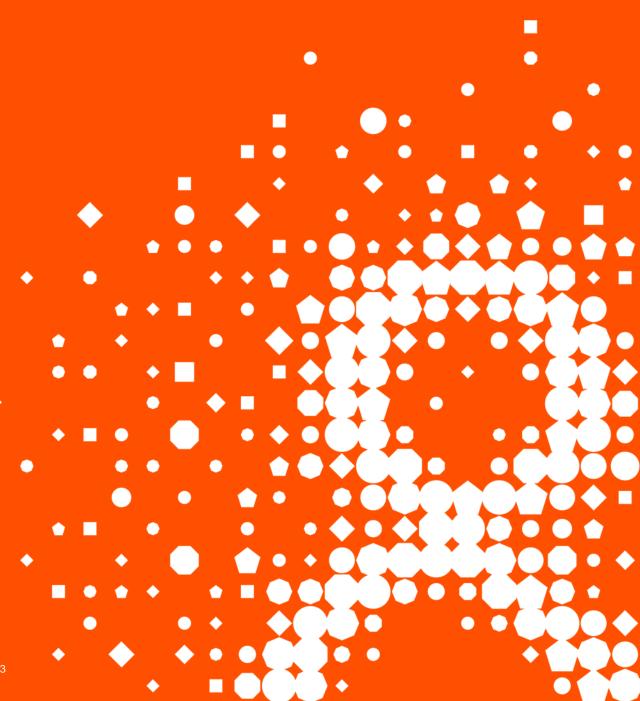
Calculate amounts of money, compound interest, percentage increases, decreases and discounts including tax and simple budgeting (SCS13)

N2/L2.7 and N2/L2.8



Information





OpenAssess – launched 1 May 2019

OpenAssess is our new, free, on-screen practice test tool – developed for Functional Skills exams

- It's a parallel, open, version of SecureAssess (e-volve)
 - the platform we use for live on-screen tests.
- It hosts our sample on-screen Functional Skills external assessments
 - instead of these just being on our website.
- It will record your learners' practice test attempts, and store their responses
 - so you can access and mark them afterwards
 - allows you to provide feedback and judge their readiness for the live test.
 - Currently the current (3748) Functional Skills sample assessments are available.
- Sample versions of the reformed (4748) Functional Skills exams will be available through OpenAssess from September.



Open**Assess**°

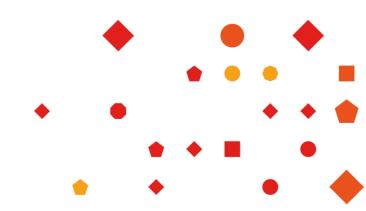
Sample assessments

Published sample assessments for Maths and English from Entry 1 to Level 2

- To access them visit the current (3748)
 <u>Functional Skills qualification documents page</u>:
- Select the 'Additional Documents' dropdown
- Then select 'Functional Skills reform'

NB: the assessment papers and mark schemes have been published as **one** document.



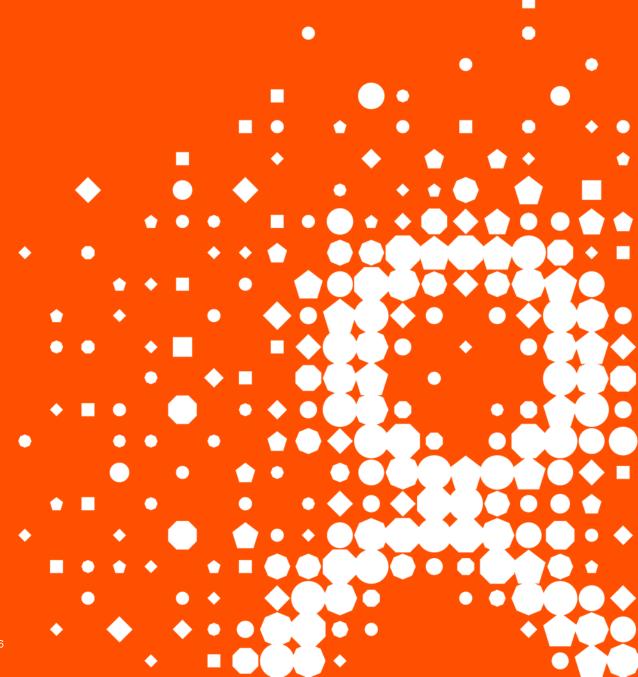


Questions

Any comments, questions or feedback...

fsreform@cityandguilds.com





Keeping up with developments

#FunSkills2019 webinars every month - right through to the summer

- You'll get an email reminder each month as long as you've signed up.
- Recordings of every session to-date (apart from the special phonics webinar) available from the <u>Functional Skills updates</u> page.

Next month's webinar

Wednesday 3 July 2019





Thank you

For more information about the Functional Skills reform programme, please visit cityandguilds.com/mathsandenglish

Then follow links to **Functional Skills updates**.

There's a dedicated email address: fsreform@cityandguilds.com

Use **#FunSkills2019** to join the social media conversation:

- follow Amanda <u>@MathsEnglish_CG</u>
- follow Paul <u>@PaulSceeny_CG</u>
- follow Katherine <u>@KatherineC_CG</u>



