

TGAU Mathemateg / Rhifedd
Mathematics / Numeracy GCSE

Gwybodaeth i rieni 17/10/17
Information for parents 17/10/17

4 arholiad - 2 Rhifedd

2 Mathemateg

Dyfarnu 2 radd TGAU, posib i'r ddwy radd fod yn wahanol

3 Haen - Uwch A* - C

Canolradd B - E

Sylfaenol D - G

Mae posib cofrestru ar gyfer
dwy haen wahanol mewn
Rhifedd / Mathemateg

4 exams - 2 Numeracy

2 Mathematics

Awards 2 GCSE grades, possible for two grades to be different

3 Tiers - Higher A* - C

Intermediate B - E

Foundation D - G

It is possible to be entered
for two different tiers in
Numeracy / Mathematics

RHIFEDD

“...asesu'r fathemateg y bydd ei hangen ar ddysgwyr yn eu bywydau bob dydd, ym myd gwaith, ac ym meysydd eraill y cwricwlwm...”

NUMERACY

“...assess the mathematics that learners will need in their everyday lives, in the world of work, and in other general curriculum areas...”

MATHEMATEG

“...bydd TGAU Mathemateg yn cynnwys yr agweddau hynny ar fathemateg sy'n angenrheidiol i symud ymlaen i astudiaeth wyddonol, dechnegol neu bellach mewn mathemateg.”

MATHEMATICS

“...GCSE Mathematics will extend to aspects of mathematics needed for progression to scientific, technical or further mathematical study.”

Blwyddyn 11 / Year 11

	Tachwedd 2017 November 2017	Haf 2018 Summer 2018
Rhifedd Numeracy	<i>Ail-sefyll / Re-sit</i> Uned / Unit 1 – 06/11/17 Uned / Unit 2 – 08/11/17	<i>Ail-sefyll / Re-sit</i> <i>Uned / Unit 1 – 08/05/18</i> <i>Uned / Unit 2 – 10/05/18</i>
Mathemateg Mathematics	<i>Unigolion / Individuals</i> <i>Uned 1 / Unit 1 – 10/11/17</i> <i>Uned 2 / Unit 2 – 13/11/17</i>	Uned / Unit 1 – 24/05/18 Uned / Unit 2 – 07/06/18

RHIFEDD – Tachwedd 2017

Sesiynau adolygu:

Dydd Gwener – 27/10/17 – trwy'r dydd

Dydd Gwener – 03/11/17 (hanner tymor) – 10.00 - 14.30
(grwp targed)

NUMERACY – November 2017

Revision sessions:

Friday – 27/10/17 – all day

Friday – 03/11/17 – (half term) – 10.00 - 14.30 (target group)

Blwyddyn 10 / Year 10???

	Haf 2018 Summer 2018	Tachwedd 2018 November 2018	Haf 2019 Summer 2019
Rhifedd Numeracy	Ffug arholiad??? Mock exam???	Ffug arholiad Mock exam (unigolion yn sefyll arholiad) (individuals sitting the exam)	Pawb Everyone
Mathemateg Mathematics			Pawb Everyone

Adnoddau / Resources - Mathswatch

Clip 130 Increase/Decrease by a Percentage - Question 1

[← Return to Videos](#)

Standard Questions

1

2

3

4

5

»

Harder Questions

1

2

3

4

Question Progress



A computer costs £600 plus VAT at 20%.

What is the total cost of the computer?

£

Submit Answer

Adnoddau / Resources – mathemateg.com

@mathemateg



ANNOUNCEMENTS

Awydd ychydig o hwyl? Yna ceisiwch ein gêm Flappy Bird Mathemateg.



TGAU

Cardiau adolygu mathemateg a rhifedd.

DARLLEN MWY

MYNEDIAD / ACCESS

Cyfrif Newydd / New Account
Mewngofnodi / Login

 Calendr



October 2017

LI	Ma	Me	Ia	Gw	Sa	Su
						1
2	3	4	5	6	7	8

 Digwyddiadau i ddod



 Arholiad Rhifedd TGAU Uned 1
Monday, 6 November, 9:00 AM

 Ffrwd Trydar



 Mathemateg
@mathemateg

Ateb cwestiwn y diwrnod ar gyfer Hydref 16eg. #tgau
#mathemateg #adolygu

Agwedd tuag at fathemateg

Attitude towards Mathematics

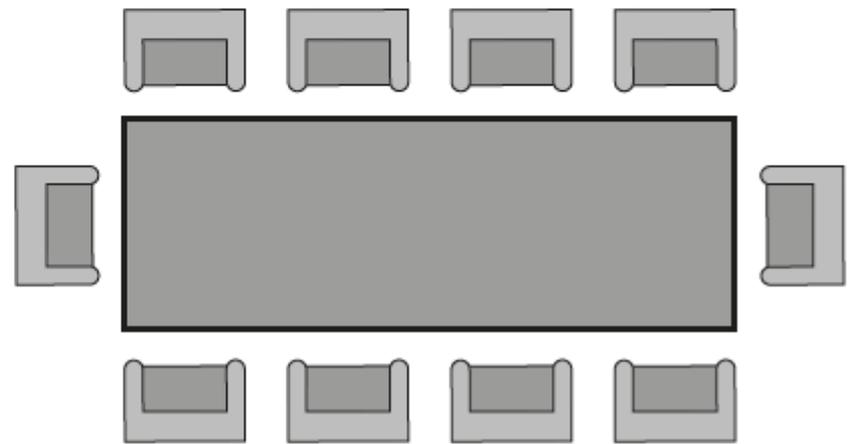
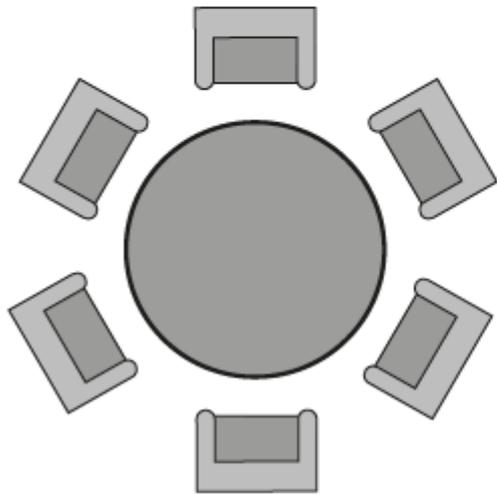
It is culturally acceptable in the UK to be negative about maths, in a way that we don't talk about other life skills. We hear 'I can't do maths' so often it doesn't seem a strange thing to say (Kowsun, 2008).

3. Yn y cwestiwn hwn, cewch eich asesu ar ansawdd eich trefnu, cyfathrebu a chywirdeb wrth ysgrifennu.

Mae Aled yn trefnu parti Nadolig.

Mae e'n penderfynu defnyddio *Table Toppers* i gael byrddau, cadeiriau a bwyd.

Mae lle i 6 o bobl eistedd wrth bob bwrdd crwn, ac mae lle i 10 o bobl eistedd wrth bob bwrdd petryal.



Mae prisiau *Table Toppers* i'w gweld isod.

<i>Table Toppers</i>		
Ffioedd Llogi (<i>hiring</i>)	Byrddau crwn	£3 yr un
	Byrddau petryal	£4 yr un

3. In this question, you will be assessed on the quality of your organisation, communication and accuracy in writing.

Aled plans a Christmas party.

He decides to use *Table Toppers* to supply tables, chairs and catering.

The circular tables each seat 6 people and the rectangular tables each seat 10 people.

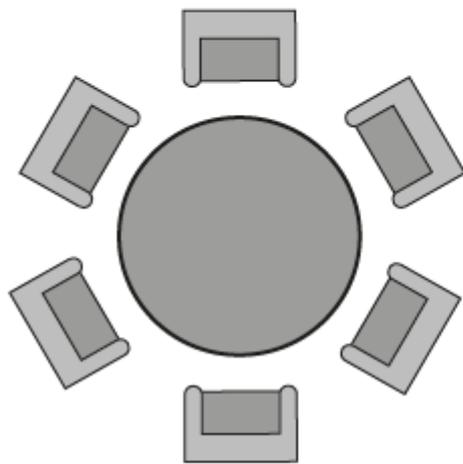


Table Toppers charge as shown below.

<i>Table Toppers</i>		
Hiring Fees	Circular tables	£3 each
	Rectangular tables	£4 each
	Chairs	£2 each

Mae Loretta'n cael ei thalu mewn ewros.
Mae hi'n gwirio (*checking*) ei bil treth ar gyfer llynedd.

Dyma gyfraddau treth llynedd:

- Dim treth ar y €3500 cyntaf o enillion (*earnings*)
- Enillion dros €3500 ac i fyny at €10 500: cael eu trethu ar gyfradd o 25%
- Enillion yn uwch na €10 500: cael eu trethu ar gyfradd o 35%

Llynedd, cyfanswm enillion Loretta cyn treth oedd €34 500.

Faint oedd cyfanswm y dreth roedd Loretta wedi'i thalu?
Rhaid i chi ddangos eich holl waith cyfrifo.

[6]

Loretta is paid in euros.
She is checking her tax bill for last year.

The tax rates last year were as follows:

- No tax on the first €3500 of earnings
- Earnings in excess of €3500 and up to €10 500: taxed at a rate of 25%
- Earnings above €10 500: taxed at a rate of 35%

Last year, Loretta's total earnings before tax were €34 500.

How much tax did Loretta pay in total?
You must show all your working.

[6]

In this part of the question, you will be assessed on the quality of your organisational communication and accuracy in writing.

It costs Delyth £2.35 to make each small candle.

It costs 15p to make each box.

Delyth sells 20 candles, each in a separate box, for a total of £84.

How much profit does Delyth make?

You must show all your working.

[3 + 2 OC]

Yn y rhan hon o'r cwestiwn, cewch eich asesu ar ansawdd eich trefnu, cyfathrebu a chywirdeb yn ysgrifennu.

Mae'n costio £2.35 i Delyth wneud pob kannwyll fach.

Mae'n costio 15c i wneud pob blwch.

Mae Delyth yn gwerthu 20 kannwyll am gyfanswm o £84. Mae pob kannwyll mewn blwch gwahanol.

Faint o elw mae Delyth yn ei wneud?

Rhaid i chi ddangos eich holl waith cyfrifo.

[3 + 2 TC]

Yn y rhan hon o'r cwestiwn, cewch eich asesu ar ansawdd eich trefnu, cyfathrebu a chywirdeb wrth ysgrifennu.

Cerdyn Rheilffordd ar gyfer pobl 16 i 25 oed
£30 am flwyddyn
Cael $\frac{1}{3}$ i ffwrdd o'ch holl deithio ar y rheilffyrdd

Mae Nerys ac Eleri yn ddwy chwaer.
Mae Nerys yn 22 oed ac mae Eleri yn 27 oed.

Mae'r ddwy chwaer yn byw yng Nghaergybi.
Mae eu modryb yn byw yn Aberdaugleddau.
Maen nhw'n teithio ar y trê'n i ymweld â'u modryb 3 gwaith y flwyddyn.

Mae Nerys yn prynu Cerdyn Rheilffordd 16-25 i'w ddefnyddio ar gyfer y teithiau hyn.
Maen nhw'n prynu tocynnau trê'n unffordd ar gyfer pob taith.
Cost tocyn trê'n **unffordd** o Gaergybi i Aberdaugleddau yw £84.50.
Mae'r daith adref o Aberdaugleddau hefyd yn costio £84.50 y tocyn.

Mewn blwyddyn, faint yn llai mae Nerys yn ei dalu nag Eleri am y teithiau i Aberdaugleddau ac yn ôl?
Rhaid i chi ddangos eich holl waith cyfrifo.

[5 + 2 TCY]

In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.

Railcard for 16 to 25 year olds

£30 for a year

Get $\frac{1}{3}$ off all your rail travel

Nerys and Eleri are sisters.

Nerys is 22 years old and Eleri is 27 years old.

The two sisters live in Holyhead.

Their aunt lives in Milford Haven.

They travel by train to visit their aunt 3 times a year.

Nerys buys a 16-25 Railcard to use for these journeys.

They buy single rail tickets for each journey.

The cost of a **single** rail ticket from Holyhead to Milford Haven is £84.50.

The journey home from Milford Haven also costs £84.50 per ticket.

In a year, how much less does Nerys pay than Eleri for the journeys to Milford Haven and back?

You must show all your working.

[5 + 2 OCW]

Mae pris pren meddal yn newid bob blwyddyn.
Mae'r pris wedi cynyddu 6% y flwyddyn am bob un o'r **5 mlynedd** diwethaf.
Cyn hynny, roedd y pris wedi gostwng 2% y flwyddyn.
Saith mlynedd yn ôl, pris pren meddal oedd £34 y m³.

Cyfrifwch bris pren meddal ar hyn o bryd.

[3]

The price of softwood changes each year.
The price has increased by 6% per annum for each of the last **5 years**.
Before this, the price had decreased by 2% per annum.
Seven years ago the price of softwood was £34 per m³.

Calculate the current price of softwood.

[3]

Fatima wants to invest some money in a savings account. She has picked up leaflets from two building societies advertising their high-interest savings accounts.

'Bannau' account

Nominal annual rate of
3.85%

Interest paid monthly

'Eryri' account

Nominal annual rate of
3.86%

Interest paid every
6 months

By comparing AERs, which account will offer Fatima the better interest rate on her investment? You must show all your working. [5]

Mae Fatima eisiau buddsoddi rhywfaint o arian mewn cyfrif cynilo.
Mae hi wedi cymryd taflenni o ddwy gymdeithas adeiladu sy'n hysbysebu eu cyfrifon cynilo llog-uchel.

Cyfrif 'Bannau'

Cyfradd enwol flynyddol o
3.85%

Talu llog yn fisol

Cyfrif 'Eryri'

Cyfradd enwol flynyddol o
3.86%

Talu llog bob 6 mis

Drwy gymharu *AERs*, pa gyfrif fydd yn cynnig y gyfradd llog orau i Fatima ar ei buddsoddiad?
Rhaid i chi ddangos eich holl waith cyfrifo.

[5]

Gwenda enjoys road running.

- (a) *In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.*

She keeps a record of her run each day this week.

Day	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Distance	4.6 km	5.4 km	2.2 km	6.2 km	7.2 km	2.2 km	3.4 km
Time	26 mins	31 mins	12 mins	35 mins	40 mins	14 mins	22 mins

Last week, her average speed for the week was 9.6 kilometres per hour.

Calculate Gwenda's percentage improvement in her average speed from last week to this week.

You must show all your working.

[6 + 2 OCW]

Mae Gwenda'n mwynhau rhedeg ar y ffyrdd.

- (a) *Yn y rhan hon o'r cwestiwn, cewch eich asesu ar ansawdd eich trefnu, cyfathrebu a chywirdeb wrth ysgrifennu.*

Mae hi'n cadw cofnod o'i rhediad bob dydd yr wythnos hon.

Dydd	Sul	Llun	Maw	Mer	Iau	Gwe	Sad
Pellter	4.6 km	5.4 km	2.2 km	6.2 km	7.2 km	2.2 km	3.4 km
Amser	26 mun	31 mun	12 mun	35 mun	40 mun	14 mun	22 mun

Yr wythnos diwethaf, ei buanedd cyfartalog am yr wythnos oedd 9.6 cilometr yr awr.

Cyfrifwch welliant canrannol Gwenda yn ei buanedd cyfartalog o'r wythnos diwethaf i'r wythnos hon.

Rhaid i chi ddangos eich holl waith cyfrifo.

[6 + 2 TCY]

Ar stad dai newydd, mae timau o beintwyr yn peintio waliau a nenfydau (*ceilings*) y tai ar ôl iddyn nhw gael eu hadeiladu.

- (a) Mae'n cymryd tîm o 5 peintiwr 10 awr i beintio tŷ lle mai arwynebedd cyfan y waliau a'r nenfydau yw 500m^2 .

Arwynebedd cyfan waliau a nenfydau tŷ newydd ar y stad yw 600m^2 . Rhaid i'r tŷ hwn gael ei beintio mewn 8 awr.

Cyfrifwch y nifer lleiaf o beintwyr sy'n angenrheidiol. Rhaid i chi ddangos eich holl waith cyfrifo.

[4]

On a new housing estate, teams of painters paint the walls and ceilings of houses once they are built.

- (a) It takes a team of 5 painters 10 hours to paint a house that has a total wall and ceiling area of 500m^2 .

A new house on the estate has a total wall and ceiling area of 600m^2 .
This house has to be painted in 8 hours.

Calculate the least number of painters needed.
You must show all your working.

[4]

Unrhyw gwestiynau?

Any questions?

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