



Yr Adran Fathemateg

11

Y Canllaw

Cyfrifo

Enw:

Cynnwys

Pwrpas y pecyn yma yw datblygu ac ymarfer eich sgiliau cyfrifo heb gyfrifiannell.

Mae darn cyntaf y pecyn (tudalennau 3-13) yn cynnwys y **llyfrgell technegau**, sy'n dangos sut i gwblhau cyfrifiadau gwahanol yn ymwneud ag...

- Adio
- Tynnu
- Lluosi
- Rhannu
- Canrannau

Mae ail ddarn y pecyn (tudalennau 14-38) yn cynnwys 25 o daflenni ymarfer.

Ymarfer 1

Swm i'w gwblhau.

Lle i gyfrifo'r ateb.

Sawl marc mae'r cwestiwn yn werth.

Lleoliad y math yma o swm yn y *llyfrgell technegau*.

(1) $14 + 23 + 10 + 28$	(2) 532×4	(3) Beth yw 10% o £65?
Marc: ___ / 1 A1		
(4) $725 - 487$		Marc: ___ / 1 C1
	Marc: ___ / 1 LL2	(5) $\frac{3}{4} \times 20$
	(6) $6 \div 0.5$	Marc: ___ / 1 LL10
Marc: ___ / 1 T2		(7) Beth yw 73% o £92?
(8) $320,000 \div 4,000$	Marc: ___ / 1 RH5	
	(9) 1 awr 30 munud + 2 awr 45 munud	
	Marc: ___ / 1 A4	
Marc: ___ / 2 RH7	(10) 7.8×60	
(11) $\frac{42}{240} \times 40$		
Marc: ___ / 2 LL12	Marc: ___ / 2 LL6	Marc: ___ / 3 C2

Llyfrgell Technegau

Adio

A1	Adio rhifau yn y pen
32 + 16 + 24	
= 72	
A2	Adio mewn colofn
4235 + 739	
$\begin{array}{r} 4235 \\ + 739 \\ \hline 4974 \end{array}$	
A3	Adio degolion
43.94 + 2.736	
$\begin{array}{r} 43.94 \\ + 2.736 \\ \hline 46.676 \end{array}$	
A4	Adio amser
3 awr 25 munud + 2 awr 53 munud	
3 + 2 = 5, 25 + 53 = 78	
5 awr 78 munud	
= 6 awr 18 munud	

$$32 \rightarrow 38 \rightarrow 48 \rightarrow 52 \rightarrow 72$$

NEU

$$60 + 12 = 72$$

Gosod allan:

Unedau o dan unedau
degau o dan degau ayb.

Cychwyn o'r dde.

Cario ymlaen fel bo'r angen.

Sicrhau bod y ddau bwynt
degol o dan ei gilydd.

Cychwyn o'r dde.

Cario ymlaen fel bo'r angen.

Adio'r oriau a'r munudau
ar wahân i gychwyn.

Dim ond 60 munud mewn
awr felly mae angen
gumud $78 - 60 = 18$.

A5	Adio ffracsiynau (enwaduron hafal)			
$\frac{3}{8} + \frac{1}{8}$				
	$\frac{3}{8}$	+	$\frac{1}{8}$	= $\frac{4}{8}$
				= $\frac{1}{2}$
A6	Adio ffracsiynau (enwaduron gwahanol)			
$\frac{2}{5} + \frac{3}{4}$				
	$\frac{2}{5}$	+	$\frac{3}{4}$	= $\frac{8}{20} + \frac{15}{20}$
				= $\frac{23}{20}$
				= $1 \frac{3}{20}$
	$\begin{array}{r} + \quad \quad 2 \quad 5 \\ 3 \quad \quad \times \quad 15 \\ 4 \quad \quad 8 \quad 20 \end{array}$		=	$1 \frac{3}{20}$
A7	Adio rhif negatif			
$12 + -5$				
		=	$12 - 5$	
		=	7	

Adiwr ddau rifiadur (top),
cadw'r enwadur (gwaelod)
yr un peth.
Cofio symleiddio'r ffracsiwn
os yn bosib.

Dull ①: Y Dull Traddodiadol.
Ysgrifennw'r ffracsiynau
dros enwadur cyffredin
(yr hif lleiaf yn nhablau
5 a 4) cyn adio'r
ffracsiynau.
Newid y ffracsiwn pendrum
i fod yn rhif cymysg.

Dull ②: Dull y gneuen dddear.
Llenwir tabl drwy llosgi
cyn adio'r rhifau yn y
'gneuen dddear'. Newid y
ffracsiwn pendrum i fod yn
rhif cymysg.

Mae adio rhif negatif yr
un peth â thynnu.

Tynnu

T1	Tynnu rhifau yn y pen
78 - 3 - 12	
$= 63$	
T2	Tynnu mewn colofn
325 - 143	
$\begin{array}{r} 2 \\ \cancel{3} 25 \\ - 143 \\ \hline 182 \end{array}$	
T3	Tynnu degolion
87.2 - 4.68	
$\begin{array}{r} 6 \\ 8 \cancel{7} \\ - 4.68 \\ \hline 82.52 \end{array}$	
T4	Tynnu amser
3 awr 20 munud - 1 awr 35 munud	
3 awr 20 munud	
2 awr 20 munud	
2 awr	
1 awr 45 munud	

$$78 \rightarrow 75 \rightarrow 65 \rightarrow 63$$

NEU

$$78 - 15 = 63$$

Gosod allan: unedau o dan unedau, degau o dan degau a yb. Cychwyn o'r dde. 'Benllyn' o'r golofn nesaf i'r chwith, fel bo'r angen.

Sicrhau bod y ddau bwynt degol o dan ei gilydd. Ychwanegu'r 0 i gychwyn. Mae pwynt degol y ratab yn yr un lleoliad.

$$\left. \begin{array}{l} \text{Tynnu 1 awr} \\ \text{Tynnu 20 munud} \\ \text{Tynnu 15 munud} \end{array} \right\} 20 + 15 = 35$$

Lluosi

LL1		Lluosi rhifau yn y pen			
4	×	5	=	20	
7	×	3	=	21	
6	×	9	=	54	
LL2		Lluosi efo rhif cyfan llai na 10			
427 × 6					
		4	2	7	
	×			6	
		<hr/>			
		2	5	6	2
		<hr/>			
		1	4		
LL3		Lluosi efo 5 yn sydyn			
64 × 5					
6	4	×	10	=	640
6	4	0	÷	2	= 320
LL4		Lluosi rhifau cyfan efo'r grid			
417 × 68					
		4	1	7	
	2	2	4	0	4
		3	0	6	2
	8	1	2	8	5
		3	5	6	8
Ateb: 28,356					

Maen ddefnyddiol gallu cofion rhugl ffeithiau lluosu fel y rhai yma.

Gweithio o'r dde i'r chwith.

Cario ymlaen fel bôr angen.

± lluosu efo 5 yn sydyn, lluoswch efo 10 wedyn hanerwch.

Cam 1: Gosod y swmallan gan ddefnyddio grid.

Cam 2: Llenwir grid trwy lluosu'r digidau ar y top efo'r digidau ar y dde.

Cam 3: Adio'r croeslinau gan gychwyn gwaelod ar y dde.

LL8

Lluosi rhifau mawr

4000×500

$4 \times 5 = 20$

4000×500

$= 2000000$

$= 2,000,000$

Cychwyn trwy luosi'r digidau nad ydynt yn sero. Mae 5 sero yn y cwestiwn, felly mae angen 5 sero yn yr ateb hefyd.

LL9

Lluosi dau ffracsiwn

$\frac{3}{5} \times \frac{2}{3}$

$\frac{3}{5} \times \frac{2}{3} = \frac{6}{15}$

$= \frac{2}{5}$

Cychwyn trwy luosi'r ddau rifiadur (EOP) a lluosir ddau enwadur (gwaelod). Yna symleiddio'r ateb, os yn bosib.

LL10

Lluosi efo ffracsiwn

$\frac{3}{4} \times 8$

$8 \div 4 = 2$

$2 \times 3 = 6$

Cam ①: Rhannu efo'r enwadur (ffeindio $\frac{1}{4}$). Cam ②: Lluosi efo'r rhifiadur (ffeindio $\frac{3}{4}$).

LL11

Lluosi efo ffracsiwn: symleiddio

$\frac{30}{240} \times 32$

$\frac{30}{240} \times 32 = \frac{3}{24} \times 32$

$= \frac{1}{8} \times 32$

$= 32 \div 8$

$= 4$

Symleiddio'r ffracsiwn trwy rannu top a gwaelod efo 10. Symleiddio'r ffracsiwn trwy rannu top a gwaelod efo 3. Cyfrifo $\frac{1}{8}$ o 32 trwy rannu 32 efo 8.

LL12

Lluosi efo ffracsiwn: cymudedd

$$\frac{17}{240} \times 60$$

$$\begin{aligned} \frac{17}{240} \times 60 &= \frac{60}{240} \times 17 \\ &= \frac{6}{24} \times 17 \\ &= \frac{1}{4} \times 17 \\ &= 4.25 \end{aligned}$$

LL13

Lluosi efo ffracsiwn: ffracsiynau cywerth

$$\frac{120}{250} \times 300$$

$$\begin{aligned} \frac{120}{250} \times 300 &= \frac{12}{25} \times 300 \\ &= \frac{48}{100} \times 300 \\ &= 3 \times 48 \\ &= 144 \end{aligned}$$

$$\begin{array}{r} 48 \\ \times 3 \\ \hline 144 \\ \hline 2 \end{array}$$

Defnyddio cymudedd llusio ($ab = ba$) i gael ffracsiwn sy'n bosib ei symleiddio. Symleiddio'r ffracsiwn trwy rannu top a gwaelod efo 10. Symleiddio'r ffracsiwn trwy rannu top a gwaelod efo 6. Rhannu 17 efo 4 trwy haneru 2 waith.

Symleiddio'r ffracsiwn trwy rannu top a gwaelod efo 10. Ffurio ffracsiwn cywerth trwy hosi top a gwaelod efo 4. Cyfrifo $300 \div 100 = 3$. Cyfrifo $3 \times 48 = 144$.

Rhannu

RH1	Rhannu rhifau yn y pen				
2	4	÷	3	=	8
2	5	÷	5	=	5
4	2	÷	6	=	7
RH2	Ffrâm rannu: dim gweddill				
4236 ÷ 3					
$\begin{array}{r} 1412 \\ 3 \overline{) 4236} \end{array}$					
RH3	Ffrâm rannu: efo gweddill				
6328 ÷ 5					
$\begin{array}{r} 1265 \text{ r } 3 \\ 5 \overline{) 6328} \end{array}$					
RH4	Ffrâm rannu: ateb fel degolyn				
2763 ÷ 4					
$\begin{array}{r} 0690.75 \\ 4 \overline{) 2763.00} \end{array}$					
RH5	Rhannu efo degolyn				
3 ÷ 0.25					
= 3 × 4					
= 12					

Mae $24 \div 3 = 8$ gan fod
 $8 \times 3 = 24$.

Gosod allan: y rhif i'w
 rannu tu mewn y ffrâm
 rannu, y rhif i'w rannu efo
 tu allan. Gweithio o'r
 chwith i'r dde.

Cwestiwn iaf: 'Sawl gwaith
 mae 5 yn mynd i mewn i 6?'
 Ateb: 1 waith, efo 1 yn
 weddill. 2il gwestiwn: 'Sawl
 gwaith mae 5 yn mynd i
 mewn i 13?'

Ychwanegwch y **.00**
 i'r 2763 er mwyn gallu
 ysgrifennu'r ateb fel
 degolyn.

Mae 0.25 yn ffitio i
 mewn i un cyfan 4 gwaith
 felly mae rhannu efo 0.25
 yr un peth â lluosio efo 4.

RH6

Rhannu efo degolyn trwy
ddefnyddio ffracsiwn cywerth

$30 \div 1.2$

$$= \frac{30}{1.2}$$

$$= \frac{300}{12}$$

$$= \frac{150}{6}$$

$$= \frac{50}{2}$$

$$= 25$$

RH7

Rhannu trwy ganslo

$3600 \div 400$

$$= \frac{3600}{400}$$

$$= \frac{36}{4}$$

$$= 9$$

RH8

Rhannu ffracsiynau

$\frac{2}{5} \div \frac{3}{7}$

$$= \frac{2}{5} \times \frac{7}{3}$$

$$= \frac{14}{15}$$

Ysgrifennu'r sum rhannu fel ffracsiwn.

Linosi top a gwaelod efo 10.

Rhannu top a gwaelod efo 2.

Rhannu top a gwaelod efo 3.

Hanner 50 yw 25.

Newid y sum rhannu i fod yn ffracsiwn ac yna canslo parau o seroau (un ar y top, un ar y gwaelod bob tro).
Cyfrifo $36 \div 4 = 9$.

Mae rhannu efo ffracsiwn yr un peth â llusasi efo cilydd y ffracsiwn.

- Peidio newid y ffracsiwn laf.
- Newid y sum \div i sum \times .
- Cymryd cilydd yr 2il ffracsiwn

Canrannau

C1	Canran o rif (hawdd)
Beth yw 20% o £60?	
10%	$£60 \div 10 = £6$
20%	$£6 \times 2 = £12$
C2	Canran o rif (canolig)
Beth yw 38% o £84?	
10%	$£84 \div 10 = £8.40$
1%	$£8.40 \div 10 = £0.84$
30%	8.40
8%	0.84
	$\begin{array}{r} 8.40 \\ \times \quad 3 \\ \hline 25.20 \end{array}$
	$\begin{array}{r} 0.84 \\ \times \quad 8 \\ \hline 6.72 \\ \hline 63 \end{array}$
	$\begin{array}{r} 25.20 \\ + 6.72 \\ \hline £3.192 \end{array}$
C3	Canran o rif (anodd)
Beth yw 0.02% o 63?	
10%	6.3
1%	0.63
0.1%	0.063
0.01%	0.0063
0.02%	$\begin{array}{r} 0.0063 \\ \times \quad 2 \\ \hline 0.0126 \end{array}$

Ffeindio 10% trwy rannu â 10.
Dybluir 10% i gael 20%.

Ffeindio 10% trwy rannu â 10
Rhannu efo 10 eto.

Ffeindio 30% trwy luosir
10% efo 3, a ffeindio 8%
trwy luosir 1% efo 8.

Ffeindio 38% trwy
adior 30% at yr 8%.

Ffeindio 0.01% trwy
rannu efo 10 pedair
gwaith, yna dyblu i
ffeindio 0.02%.

Ymarfer 1

(1) $14 + 23 + 10 + 28$	(2) 532×4	(3) Beth yw 10% o £65?
Marc: ___ / 1	A1	
(4) $725 - 487$		Marc: ___ / 1
		C1
	Marc: ___ / 1	(5) $\frac{3}{4} \times 20$
	LL2	
	(6) $6 \div 0.5$	
		Marc: ___ / 1
Marc: ___ / 1		LL10
(8) $320,000 \div 4,000$	Marc: ___ / 1	(7) Beth yw 73% o £92?
	RH5	
	(9) 1 awr 30 munud + 2 awr 45 munud	
	Marc: ___ / 1	
	A4	
Marc: ___ / 2	(10) 7.8×60	
	RH7	
(11) $\frac{42}{240} \times 40$		
Marc: ___ / 2	LL12	Marc: ___ / 3
		C2
	Marc: ___ / 2	LL6

Ymarfer 2

(1) $64 - 5 - 13$	(2)	(3) $523 + 8,621$
Marc: ___ / 1	$5 \times 4 =$	
T1	$9 \times 6 =$	
(4) 6^3	$7 \times 5 =$	
	$8 \times 8 =$	
	$3 \times 12 =$	Marc: ___ / 1
	Marc: ___ / 5	A2
	LL1	(5) $7 - -4$
	(6) $\frac{2}{7} \div \frac{4}{5}$	
Marc: ___ / 1		
LL7		Marc: ___ / 1
(7) Beth yw 0.3% o £90?		T7
		(8) $\frac{20}{100} \times 30$
	Marc: ___ / 2	
	RH8	
	(9) $2,556 \div 6$	Marc: ___ / 2
Marc: ___ / 2		LL11
C3	Marc: ___ / 1	(10) $\frac{5}{12} + \frac{1}{12}$
(11) $1 \div 8$	RH2	
	(12) 86×5	
Marc: ___ / 1	Marc: ___ / 1	Marc: ___ / 2
RH4	LL3	A5

Ymarfer 3

<p>(1)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;">1</td><td style="width: 20px;">5</td><td style="width: 20px;">÷</td><td style="width: 20px;">5</td><td style="width: 20px;">=</td></tr> <tr><td>2</td><td>1</td><td>÷</td><td>3</td><td>=</td></tr> <tr><td>6</td><td>4</td><td>÷</td><td>8</td><td>=</td></tr> <tr><td>2</td><td>4</td><td>÷</td><td>2</td><td>=</td></tr> <tr><td>3</td><td>6</td><td>÷</td><td>4</td><td>=</td></tr> <tr> <td colspan="5" style="text-align: right;">Marc: ___ / 5</td> </tr> </table>	1	5	÷	5	=	2	1	÷	3	=	6	4	÷	8	=	2	4	÷	2	=	3	6	÷	4	=	Marc: ___ / 5					<p>(2) Beth yw 10% o \$64?</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 1</td> <td style="width: 50px; text-align: center;">C1</td> </tr> </table> <p>(4) 2 awr 30 munud – 1 awr 40 munud</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 1</td> <td style="width: 50px; text-align: center;">T4</td> </tr> </table>	Marc: ___ / 1	C1	Marc: ___ / 1	T4	<p>(3) 283×49</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 2</td> <td style="width: 50px; text-align: center;">LL4</td> </tr> </table>	Marc: ___ / 2	LL4
1	5	÷	5	=																																		
2	1	÷	3	=																																		
6	4	÷	8	=																																		
2	4	÷	2	=																																		
3	6	÷	4	=																																		
Marc: ___ / 5																																						
Marc: ___ / 1	C1																																					
Marc: ___ / 1	T4																																					
Marc: ___ / 2	LL4																																					
<p>(5) $14,400,000,000 \div 7,200,000,000$</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 2</td> <td style="width: 50px; text-align: center;">RH7</td> </tr> </table>		Marc: ___ / 2	RH7	<p>(6) $5.28 + 72.063$</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 1</td> <td style="width: 50px; text-align: center;">A3</td> </tr> </table> <p>(7) $8 + -2$</p>	Marc: ___ / 1	A3																																
Marc: ___ / 2	RH7																																					
Marc: ___ / 1	A3																																					
<p>(8) $\frac{3}{50} \times 70$</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 2</td> <td style="width: 50px; text-align: center;">LL13</td> </tr> </table>	Marc: ___ / 2	LL13	<p>(9) $\frac{3}{5} + \frac{7}{8}$</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 2</td> <td style="width: 50px; text-align: center;">A6</td> </tr> </table>	Marc: ___ / 2	A6	<p>(10) $\frac{3}{5} \times \frac{7}{8}$</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">Marc: ___ / 1</td> <td style="width: 50px; text-align: center;">LL9</td> </tr> </table>	Marc: ___ / 1	LL9																														
Marc: ___ / 2	LL13																																					
Marc: ___ / 2	A6																																					
Marc: ___ / 1	LL9																																					

Ymarfer 4

(1) 30×40	(2) $42 + 9 + 21$	(3) 56×7
	Marc: ___ / 1	A1
Marc: ___ / 1	LL8	(4) $34.6 - 2.75$
(5) 5.23×7.4		Marc: ___ / 1
		LL2
	Marc: ___ / 1	T3
Marc: ___ / 2	LL5	(6) $4.9 \div 1.4$
(8) $\frac{7}{9} - \frac{4}{9}$	(7) $\frac{7}{9} - \frac{5}{8}$	
		Marc: ___ / 1
		RH6
Marc: ___ / 2	T5	(9) 74×36
(11) $1,387 \div 3$	(10) $534 + 8,723 + 94$	
Marc: ___ / 1	RH3	Marc: ___ / 1
		A2
		Marc: ___ / 2
		LL4

Ymarfer 5

<p>(1)</p> <p>4 × 7 =</p> <p>3 × 9 =</p> <p>6 × 6 =</p> <p>5 × 8 =</p> <p>2 × 3 =</p> <p>Marc: ___ / 5</p>	<p>(2) 782 – 347</p> <p>Marc: ___ / 1</p> <p>(5) $\frac{4}{24} \times 42$</p>	<p>(3) Beth yw 50% o £62?</p> <p>Marc: ___ / 1</p> <p>(4) 758 ÷ 2</p> <p>Marc: ___ / 1</p> <p>(7) 2⁵</p>
<p>(6) 5 ÷ 0.2</p> <p>Marc: ___ / 1</p> <p>(8) 4 awr 20 munud + 3 awr 50 munud</p> <p>Marc: ___ / 1</p> <p>(10) 8 – -7</p> <p>Marc: ___ / 1</p>	<p>Marc: ___ / 2</p> <p>(9) Beth yw 43% o £140?</p> <p>Marc: ___ / 2</p>	<p>Marc: ___ / 1</p> <p>(11) 2.1 × 30</p> <p>Marc: ___ / 1</p>
<p>Marc: ___ / 5</p>	<p>T2</p>	<p>C1</p>
<p>LL1</p>	<p>LL11</p>	<p>RH2</p>
<p>RH5</p>	<p>A4</p>	<p>LL7</p>
<p>T7</p>	<p>C2</p>	<p>LL6</p>

Ymarfer 6

(1) $87 - 3 - 14$	(2) 813×4	(3) $97 + 2872 + 390$
Marc: ___ / 1	T1	
(4) $2608 \div 5$		
	Marc: ___ / 1	LL2
	(5) $4.3 + 72.84 + 9.7$	Marc: ___ / 1
Marc: ___ / 1	RH3	A2
(7) 5 awr 23 munud – 2 awr 47 munud		(6) 5^4
	Marc: ___ / 1	A3
Marc: ___ / 1	T4	(8) $\frac{11}{20} \times 10$
(9) 5.7×2.6		
		Marc: ___ / 2
		LL7
		(10) $8 + -2$
Marc: ___ / 2	LL5	Marc: ___ / 1
Marc: ___ / 2	LL12	A7

Ymarfer 8

(1) Beth yw 25% o £60?	(2) $\frac{1}{2} \times 15$	(3) 8^2
	Marc: ___ / 1 LL10	Marc: ___ / 1 LL7
	(4) $15 \div 0.5$	(5) $9 \div 0.6$
Marc: ___ / 1 C1		
(6) $\frac{1}{7} + \frac{3}{5}$		
	Marc: ___ / 1 RH5	
	(7) 835×62	
Marc: ___ / 2 A6		
(8) $30 - 11.24$		Marc: ___ / 2 RH6
		(9) $\frac{3}{50} \times 7$
	Marc: ___ / 2 LL4	
	(10) 4.8×20	
Marc: ___ / 1 T3		
(11) $95 + 17$		
Marc: ___ / 1 A1	Marc: ___ / 1 LL6	Marc: ___ / 2 LL13

Ymarfer 9

<p>(1) 1 awr 10 munud – 33 munud</p>	<p>(2) $\frac{7}{9} - \frac{2}{9}$</p>	<p>(3) $204 - 7$</p>
<p>Marc: ___ / 1 T4</p>	<p>Marc: ___ / 1 T5</p>	<p>Marc: ___ / 1 T1</p>
<p>(4) $\frac{2}{5} \div \frac{2}{9}$</p>	<p>(5) $8.3 + 16 + 0.02$</p>	<p>(6) Beth yw 82% o \$180?</p>
<p>Marc: ___ / 2 RH8</p>	<p>Marc: ___ / 1 A3</p>	
<p>(8) 83.2×4.7</p>	<p>(7) 204×5</p>	
<p>Marc: ___ / 2 LL5</p>	<p>Marc: ___ / 1 LL3</p>	<p>Marc: ___ / 2 C2</p>
	<p>(9) $7,209 \times 8$</p>	<p>(10) $3,801 \div 7$</p>
<p>Marc: ___ / 2 LL5</p>	<p>Marc: ___ / 1 LL2</p>	<p>Marc: ___ / 1 RH2</p>

Ymarfer 10

<p>(1)</p> <p>4 × 6 =</p> <p>7 × 4 =</p> <p>9 × 3 =</p> <p>5 × 8 =</p> <p>4 × 2 =</p> <p>Marc: ___ / 5</p>	<p>(2) $\frac{4}{5} \times 35$</p> <p>Marc: ___ / 1</p> <p>(4) $\frac{7}{10} - \frac{2}{5}$</p> <p>Marc: ___ / 2</p>	<p>(3) 8,923 – 2,478</p> <p>Marc: ___ / 1</p> <p>(5) 380 ÷ 9</p> <p>Marc: ___ / 1</p> <p>(8) $\frac{15}{28} \times 14$</p> <p>Marc: ___ / 2</p> <p>(11) 9 ÷ 0.1</p>
LL1	LL10	T2
<p>(6) 16 + – 7</p> <p>Marc: ___ / 1</p>	<p>Marc: ___ / 2</p>	RH3
A7	T6	LL8
<p>(9) $\frac{5}{6} \times \frac{2}{3}$</p> <p>Marc: ___ / 2</p>	<p>(10) $\frac{5}{14} + \frac{2}{14}$</p> <p>Marc: ___ / 2</p>	LL12
LL9	A5	RH5

Ymarfer 11

(1)	(2) 7 awr 20 munud + 3 awr 45 munud	(3) $18 - -5$
$4 \quad 8 \quad \div \quad 8 \quad =$		
$5 \quad 6 \quad \div \quad 7 \quad =$		
$1 \quad 8 \quad \div \quad 6 \quad =$		Marc: ___ / 1
$5 \quad 0 \quad \div \quad 5 \quad =$	Marc: ___ / 1	T7
$2 \quad 8 \quad \div \quad 4 \quad =$	A4	(4) $\frac{24}{72} \times 15$
Marc: ___ / 5	RH1	
(6) $23 \div 8$	(5) Beth yw 1.25% o £80?	
Marc: ___ / 2	RH4	
(7) $\frac{3}{4} + \frac{7}{12}$	Marc: ___ / 2	Marc: ___ / 2
	C3	LL11
	(8) $\frac{3}{4} \div \frac{7}{12}$	(9) $\frac{3}{125} \times 2000$
Marc: ___ / 2	A6	Marc: ___ / 2
	RH8	LL13


 Ymarfer 12

(1) $4 + 8 + 7 + 3 + 9 + 2$	(2) $\frac{6}{7} - \frac{1}{7}$	(3) Beth yw 20% o 5?
Marc: ___ / 1	A1	
(4) $15 \div 2.5$	Marc: ___ / 1	T5
		Marc: ___ / 1
		C1
	(5) 6^3	(6) 739×8
Marc: ___ / 1	RH6	Marc: ___ / 1
		LL2
(7) $73.4 - 4.69$	Marc: ___ / 1	(8) $\frac{5}{8} \times \frac{3}{5}$
	LL7	
	(9) $91,792 \div 2$	
Marc: ___ / 1	T3	Marc: ___ / 2
		LL9
(10) $2,347 + 430$	Marc: ___ / 1	(12) 35 munud + 47 munud
	(11) $4 \div 0.5$	
Marc: ___ / 1	A2	Marc: ___ / 1
		RH5
		Marc: ___ / 1
		A4

Ymarfer 13

(1)	(2) $4.5 + 12.3 + 3.8$	(3) $8,704 - 2,338$
$3 \times 9 =$		
$4 \times 0 =$		
$5 \times 6 =$		
$6 \times 7 =$		
$7 \times 5 =$		Marc: ___ / 1
Marc: ___ / 5	Marc: ___ / 1	(4) $\frac{9}{10} - \frac{1}{2}$
(5) $86 \div 5$	(6) $86 \div 5$	
Marc: ___ / 1	Marc: ___ / 1	
(7) 50×15	(8) Beth yw 73% o 190?	Marc: ___ / 2
Marc: ___ / 1		(9) $6,207 \times 358$
(10) $\frac{2}{5} \times \text{£}45$		
Marc: ___ / 1	Marc: ___ / 2	Marc: ___ / 2

Ymarfer 15

<p>(1)</p> <p>3 6 ÷ 6 =</p> <p>2 4 ÷ 3 =</p> <p>1 6 ÷ 2 =</p> <p>4 2 ÷ 7 =</p> <p>7 2 ÷ 8 =</p> <p>Marc: ___ / 5</p>	<p>(2) 8,000 ÷ 400</p> <p>Marc: ___ / 1</p> <p>(5) 23 + -7</p> <p>(8) $\frac{16}{32} \times 50$</p> <p>(11) 336 ÷ 7</p>	<p>(3) $\frac{4}{7} - \frac{1}{7}$</p> <p>Marc: ___ / 1</p> <p>(4) $\frac{5}{7} \times \text{£}42$</p> <p>(7) 23 - -7</p> <p>Marc: ___ / 1</p> <p>(9) 83 + 9,402 + 456</p> <p>(12) Beth yw 50% o £25?</p>
RH1	RH7	T5
LL12	A7	LL10
LL11	LL11	T7
LL7	RH2	A2
C1		

Ymarfer 17

(1) $2 + 7 + 14 + 4 + 10$	(2) 52×5	(3) $\frac{12}{13} - \frac{7}{13}$
Marc: ___ / 1 A1		
(4) 9.2×40	Marc: ___ / 1 LL3	Marc: ___ / 1 T5
	(5) $255 \div 6$	(6) $\frac{4}{3} \times \frac{2}{9}$
		Marc: ___ / 1 LL9
Marc: ___ / 1 LL6	Marc: ___ / 1 RH4	(7) $82.4 + 0.32 + 9.298$
(8) $70,000 \times 300,000$	(9) 4.7×285.7	
Marc: ___ / 1 LL8		
(10) $\frac{5}{6} + \frac{2}{3}$		Marc: ___ / 1 A3
		(11) $32.1 - 4.65$
	Marc: ___ / 2 LL5	
	(12) $18 + -5$	
Marc: ___ / 2 A6	Marc: ___ / 1 A7	Marc: ___ / 1 T3

Ymarfer 18

<p>(1)</p> <p>4 2 ÷ 7 =</p> <p>8 1 ÷ 9 =</p> <p>2 0 ÷ 4 =</p> <p>1 4 ÷ 1 =</p> <p>3 6 ÷ 3 =</p> <p>Marc: ___ / 5</p>	<p>(2) 43 munud ar ôl 2:40 pm</p> <p>Marc: ___ / 1</p> <p>(4) 83 × 26</p> <p>Marc: ___ / 2</p> <p>(7) $\frac{2}{7} \div \frac{4}{5}$</p> <p>Marc: ___ / 2</p> <p>(9) 7 -- 3 -- 9</p>	<p>(3) 1300 ÷ 4</p> <p>Marc: ___ / 1</p> <p>(5) $\frac{34}{68} \times 12$</p> <p>Marc: ___ / 2</p> <p>(8) $\frac{11}{20} \times 2$</p> <p>Marc: ___ / 2</p> <p>(10) 85 ÷ 100</p>
RH1	A4	RH2
C3	LL4	LL11
T7	RH8	LL12
RH1	RH1	RH1

Ymarfer 19

(1) $82 - 4 - 3 - 1$	(2) $\frac{4}{15} + \frac{1}{15}$	(3) 54×9
Marc: ___ / 1	T1	
(4) $7.5 \div 2.5$		
	Marc: ___ / 2	A6
		Marc: ___ / 1
		LL2
Marc: ___ / 1	RH6	(6) $34289 + 87943$
(7) Beth yw 10% o €9.80?		
Marc: ___ / 1	C1	Marc: ___ / 1
		A2
(8) $12,849 \div 3$	Marc: ___ / 2	(9) $\frac{5}{8} \times \text{£}48$
	T6	
	(10) 230×5	
Marc: ___ / 1	RH2	Marc: ___ / 1
		LL10
(12) 1^3	Marc: ___ / 1	(11) $\frac{1}{8} \div \frac{1}{7}$
	LL3	
	(13) $10 + -12$	
Marc: ___ / 1	LL7	Marc: ___ / 2
		A7
		Marc: ___ / 2
		RH8

Ymarfer 20

(1)	(2) $723 - 258$	(3) $423 \div 5$
$2 \times 3 =$		
$4 \times 6 =$		
$8 \times 5 =$		
$3 \times 9 =$		Marc: ___ / 1
$6 \times 7 =$	Marc: ___ / 1	RH3
$10 \times 5 =$	T2	(4) $\frac{3}{20} + \frac{11}{20}$
$5 \times 0 =$	(5) Beth yw 93% o £2,750?	
$8 \times 1 =$		
$7 \times 8 =$		
$12 \times 9 =$		Marc: ___ / 2
Marc: ___ / 10	LL1	A5
(7) $32.7 + 28.4 + 52.9$		(6) 802×53
		Marc: ___ / 2
Marc: ___ / 1	A3	LL4
(9) 6.23×10		(8) $-5 - -8$
Marc: ___ / 1	LL1	C2
Marc: ___ / 2	C2	Marc: ___ / 1
		T7

Ymarfer 21

(1) $40 + 70 + 30$	(2) $7 \div 0.5$	(3) 8.4×50
Marc: ___ / 1 A1		
(4) $\frac{1}{6} + \frac{5}{6}$	Marc: ___ / 1 RH5	
	(5) $\frac{1}{6} \times \frac{5}{6}$	
		Marc: ___ / 1 LL3, LL6
Marc: ___ / 1 A5	Marc: ___ / 1 LL9	(6) $\frac{1}{6} \div \frac{5}{6}$
(7) $288,000,000,000 \div 20,000,000$		
Marc: ___ / 1 RH7		
(8) $25.8 - 10.9$	(9) 4 munud 20 eiliad + 7 munud 54 eiliad	Marc: ___ / 2 RH8
	Marc: ___ / 1 A4	(10) 5.2×7.3
Marc: ___ / 1 T3	(11) $17 \div 8$	
(12) 0.036×100		
Marc: ___ / 1 LL1	Marc: ___ / 1 RH4	Marc: ___ / 2 LL5

Ymarfer 22

(1)	(2) 400×30	(3) 1 awr 10 munud – 36 munud
$1 \quad 2 \quad \div \quad 3 \quad =$		
$8 \quad \div \quad 2 \quad =$	Marc: ___ / 1	LL8
$3 \quad 9 \quad \div \quad 3 \quad =$	(4) $\frac{5}{25} \times 120$	Marc: ___ / 1
$1 \quad 6 \quad \div \quad 4 \quad =$		T4
$5 \quad 6 \quad \div \quad 8 \quad =$		(5) $\frac{7}{8} - \frac{1}{8}$
Marc: ___ / 5	RH1	
(6) Beth yw 2.45% o £300?		
		Marc: ___ / 2
	Marc: ___ / 2	T5
	(8) $\frac{47}{50} \times 200$	(7) $\frac{7}{8} - \frac{1}{4}$
		Marc: ___ / 2
	Marc: ___ / 2	T6
	(10) $\frac{4}{9} \times £72$	(9) $827 + 9271$
Marc: ___ / 2	C3	Marc: ___ / 1
	Marc: ___ / 1	LL10
		Marc: ___ / 1
		A2

Ymarfer 23

(1) $45 - 12 - 3 - 6$	(2) 279×7	(3) $72590 - 6284$
Marc: ___ / 1 T1		
(4) Beth yw 30% o £40?		
	Marc: ___ / 1 LL2	Marc: ___ / 1 T2
Marc: ___ / 1 C1	(5) $\frac{4}{5} \times \frac{8}{9}$	(6) $45 \div 1.5$
(7) $\frac{7}{8} \times 4$		
	Marc: ___ / 1 LL9	
	(8) 4293×5417	
		Marc: ___ / 2 RH6
Marc: ___ / 2 LL12		(9) $\frac{11}{12} - \frac{5}{6}$
(10) 4^4		
	Marc: ___ / 2 LL4	Marc: ___ / 2 T6
	(11) $458 \div 2$	(12) $-1 - -1$
Marc: ___ / 2 LL7	Marc: ___ / 1 RH2	Marc: ___ / 1 T7

Ymarfer 24

(1) $32 + 7 + 8 + 9$	(2) $3.2 - 1.28$	(3) $\frac{1}{7} + \frac{2}{7} + \frac{3}{7}$
Marc: ___ / 1	A1	
(4) $85 \div 3$		Marc: ___ / 1
		A5
	Marc: ___ / 1	(5) Beth yw 36% o \$75?
	T3	
	(6) 8×70	
Marc: ___ / 1	RH3	
(7) $\frac{3}{2} + \frac{4}{3}$		
	Marc: ___ / 1	LL6
	(8) 703×821	
Marc: ___ / 2	A6	
(9) $\frac{2}{3} \div \frac{7}{8}$		
	Marc: ___ / 2	LL4
		Marc: ___ / 2
		C2
	(10) $9 + -2$	(11) $5 \div 0.2$
Marc: ___ / 2	RH8	Marc: ___ / 1
		A7
		Marc: ___ / 1
		RH5

Ymarfer 25

<p>(1)</p> <p>1 5 ÷ 5 =</p> <p>2 7 ÷ 9 =</p> <p>2 4 ÷ 8 =</p> <p>2 1 ÷ 7 =</p> <p>1 8 ÷ 6 =</p> <p>Marc: ___ / 5</p>	<p>(2) 48 + 2396 + 481</p> <p>Marc: ___ / 1</p>	<p>(3) $\frac{3}{11} + \frac{5}{11}$</p> <p>Marc: ___ / 1</p> <p>(4) 3 ÷ 16</p> <p>Marc: ___ / 1</p>
RH1	A2	A5
<p>(5) 842 × 63</p> <p>Marc: ___ / 2</p>	<p>(6) 6293 – 837</p> <p>Marc: ___ / 1</p> <p>(8) $\frac{32}{80} \times \\$15$</p>	<p>Marc: ___ / 1</p> <p>(7) Beth yw 75% o £60?</p> <p>Marc: ___ / 1</p>
LL4	T2	RH4
<p>(9) $\frac{7}{12} - \frac{1}{3}$</p> <p>Marc: ___ / 1</p>	<p>(10)</p> <p>9 × 7 =</p> <p>6 × 8 =</p> <p>11 × 5 =</p> <p>8 × 9 =</p> <p>4 × 12 =</p> <p>5 × 13 =</p> <p>7 × 8 =</p> <p>Marc: ___ / 2</p>	<p>Marc: ___ / 7</p>
T6	LL11	LL1



Ymarfer 1 (1) 75 (2) 2,128 (3) £6.50 (4) 238 (5) 15 (6) 12 (7) £67.16 (8) 80
(9) 4 awr 15 munud (10) 468 (11) 7

Ymarfer 2 (1) 46 (2) 20, 54, 35, 64, 36 (3) 9,144 (4) 216 (5) 11 (6) $\frac{5}{14}$ (7) £0.27 (8) 6
(9) 426 (10) $\frac{1}{2}$ (11) 0.125 (12) 430

Ymarfer 3 (1) 3, 7, 8, 12, 9 (2) \$6.40 (3) 13,867 (4) 50 munud (5) 2 (6) 77.343 (7) 6
(8) 4.2 (9) $1\frac{19}{40}$ (10) $\frac{21}{40}$

Ymarfer 4 (1) 1,200 (2) 72 (3) 392 (4) 31.85 (5) 38.702 (6) 3.5 (7) $\frac{11}{72}$ (8) $\frac{1}{3}$
(9) 2,664 (10) 9,351 (11) 462 gweddill 1

Ymarfer 5 (1) 28, 27, 36, 40, 6 (2) 435 (3) £31 (4) 379 (5) 7 (6) 25 (7) 32
(8) 8 awr 10 munud (9) £60.20 (10) 15 (11) 63

Ymarfer 6 (1) 70 (2) 3,252 (3) 3,359 (4) 521 gweddill 3 (5) 86.84 (6) 625
(7) 2 awr 36 munud (8) 5.5 (9) 14.82 (10) 6

Ymarfer 7 (1) 6, 5, 4, 9, 7 (2) $\frac{2}{3}$ (3) 215 (4) 2.53 (5) 400,000,000 (6) £36.54 (7) 4,200
(8) 4.25 (9) $\frac{3}{14}$ (10) 9

Ymarfer 8 (1) £15 (2) 7.5 (3) 64 (4) 30 (5) 15 (6) $\frac{26}{35}$ (7) 51,770 (8) 18.76 (9) 0.42 (10) 96
(11) 112

Ymarfer 9 (1) 37 munud (2) $\frac{5}{9}$ (3) 197 (4) $1\frac{4}{5}$ (5) 24.32 (6) \$147.60 (7) 1,020 (8) 391.04
(9) 57,672 (10) 543

Ymarfer 10 (1) 24, 28, 27, 40, 8 (2) 28 (3) 6,445 (4) $\frac{3}{10}$ (5) 42 gweddill 2 (6) 9
(7) 280,000,000,000,000 (8) 7.5 (9) $\frac{5}{9}$ (10) $\frac{1}{2}$ (11) 90

Ymarfer 11 (1) 6, 8, 3, 10, 7 (2) 11 awr 5 munud (3) 23 (4) 5 (5) £1 (6) 2.875 (7) $1\frac{1}{3}$ (8) $1\frac{2}{7}$
(9) 48

Ymarfer 12 (1) 33 (2) $\frac{5}{7}$ (3) 1 (4) 6 (5) 216 (6) 5,912 (7) 68.71 (8) $\frac{3}{8}$ (9) 45,896 (10) 2,777
(11) 8 (12) 1 awr 22 munud

Ymarfer 13 (1) 27, 0, 30, 42, 35 (2) 20.6 (3) 6,366 (4) $\frac{2}{5}$ (5) 17 gweddill 1 (6) 17.2 (7) 750
(8) 138.7 (9) 2,222,106 (10) £18

Ymarfer 14 (1) 49 (2) 360 (3) 1 awr 45 munud (4) 30 (5) $\frac{22}{25}$ (6) $\frac{4}{5}$ (7) 320,000,000
(8) £5.85 (9) 1,104.5 (10) $1\frac{1}{6}$

Ymarfer 15 (1) 6, 8, 8, 6, 9 (2) 20 (3) $\frac{3}{7}$ (4) £30 (5) 16 (6) 32 (7) 30 (8) 25 (9) 9,941
(10) 64 (11) 48 (12) £12.50

Ymarfer 16 (1) 12, 9, 32, 36, 7 (2) 664 (3) 50,552 (4) 20 (5) £79.36 (6) 252
(7) 1 awr 38 munud (8) 12 (9) 100

Ymarfer 17 (1) 37 (2) 260 (3) $\frac{5}{13}$ (4) 368 (5) 42.5 (6) $\frac{8}{27}$ (7) 92.018 (8) 21,000,000,000
(9) 1,342.79 (10) $1\frac{1}{2}$ (11) 27.45 (12) 13

Ymarfer 18 (1) 6, 9, 5, 14, 12 (2) 3:23 pm (3) 325 (4) 2,158 (5) 6 (6) £247.68 (7) $\frac{5}{14}$ (8) 1.1
(9) 19 (10) 0.85

Ymarfer 19 (1) 74 (2) $\frac{1}{3}$ (3) 486 (4) 3 (5) $\frac{2}{5}$ (6) 122,232 (7) €0.98 (8) 4,283 (9) £30
(10) 1,150 (11) $\frac{7}{8}$ (12) 1 (13) -2

Ymarfer 20 (1) 6, 24, 40, 27, 42, 50, 0, 8, 56, 108 (2) 465 (3) 84 gweddill 3 (4) $\frac{7}{10}$
(5) £2,557.50 (6) 42,506 (7) 114 (8) 3 (9) 62.3

Ymarfer 21 (1) 140 (2) 14 (3) 420 (4) 1 (5) $\frac{5}{36}$ (6) $\frac{1}{5}$ (7) 14,400 (8) 14.9
(9) 12 munud 14 eiliad (10) 37.96 (11) 2.125 (12) 3.6

Ymarfer 22 (1) 4, 4, 13, 4, 7 (2) 12,000 (3) 34 munud (4) 24 (5) $\frac{3}{4}$ (6) £7.35 (7) $\frac{3}{8}$ (8) 188
(9) 10,098 (10) £32

Ymarfer 23 (1) 24 (2) 1,953 (3) 66,306 (4) £12 (5) $\frac{32}{45}$ (6) 30 (7) 3.5 (8) 23,255,181 (9) $\frac{1}{12}$
(10) 256 (11) 229 (12) 0

Ymarfer 24 (1) 56 (2) 1.92 (3) $\frac{6}{7}$ (4) 28 gweddill 1 (5) \$27 (6) 560 (7) $2\frac{5}{6}$ (8) 577,163
(9) $\frac{16}{21}$ (10) 7 (11) 25

Ymarfer 25 (1) 3, 3, 3, 3, 3 (2) 2,925 (3) $\frac{8}{11}$ (4) 0.1875 (5) 53,046 (6) 5,456 (7) £45 (8) \$6
(9) $\frac{1}{4}$ (10) 63, 48, 55, 72, 48, 65, 56