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

Llyfrgell Technegau

Adio

A1	*Adio rhifau yn y pen*
32 + 16 + 24	
= 7 2	

32 → 38 → 48 → 52 → 72

NEU

60 + 12 = 72

A2	*Adio mewn colofn*
4235 + 739	

```
  4 2 3 5
+   7 3 9
  -------
  4 9 7 4
  -------
      1
```

Gosod allan:
unedau o dan unedau
degau o dan degau ayb.
Cychwyn ór dde.
Cario ymlaen fel bór angen.

A3	*Adio degolion*
43.94 + 2.736	

```
  4 3.9 4
+   2.7 3 6
  ---------
  4 6.6 7 6
  ---------
    1
```

Sicrhau bod y ddau bwynt
degol o dan ei gilydd.
Cychwyn ór dde.
Cario ymlaen fel bór angen.

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

Adiór oriau ár munudau
ar wahân i gychwyn.
Dimond 60 munud mewn
awr felly mae angen
gwneud 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)*

$\frac{2}{5}+\frac{3}{4}$

$\frac{2}{5} + \frac{3}{4} = \frac{8}{20} + \frac{15}{20}$

$= \frac{23}{20}$

$= 1\frac{3}{20}$

+	2	5
3	X	15
4	8	20

$\frac{23}{20} = 1\frac{3}{20}$

A7 *Adio rhif negatif*

12 + –5

$= 12 - 5$

$= 7$

Adiór ddau rifiadur (top), cadwír enwadur (gwaelod) yr un peth.
Cofio symleiddiór ffracsiwn os yn bosib.

Dull ①: Y Dull Traddodiadol. Ysgrifennu'r ffracsiynau dros enwadur cyffredin (yr hif leiaf yn nhablau 5 a 4) cyn adiór ffracsiynau.
Newid y ffracsiwn pendrwm i fod yn rhif cymysg.

Dull ②: Dull y gneuen ddaear. Llenwir tabl drwy luosi cyn adiór rhifaunyn y 'gneuen ddaear'. Newid y ffracsiwn pendrwm 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	

78 → 75 → 65 → 63

NEU

78 − 15 = 63

T2	*Tynnu mewn colofn*
325 – 143	

$$\begin{array}{r} {}^{2}\not{3}\,{}^{1}25 \\ -\ 1\ 4\ 3 \\ \hline 1\ 8\ 2 \end{array}$$

Gosod allan: unedau o dan unedau, degau o dan degau ayb. Cychwyn o'r dde. 'Benthyg' o'r golofn nesaf i rchwith, fel bo'r angen.

T3	*Tynnu degolion*
87.2 – 4.68	

$$\begin{array}{r} {}^{7}8\,{}^{1}\not{7}.{}^{1}\not{2}\,0 \\ -\ \ 4.6\ 8 \\ \hline 8\ 2.5\ 2 \end{array}$$

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

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

Tynnu 1 awr

Tynnu 20 munud

Tynnu 15 munud

} 20 + 15 = 35

T5	*Tynnu ffracsiynau (enwaduron hafal)*

$\frac{7}{8} - \frac{3}{8}$

$\frac{7}{8} - \frac{3}{8} = \frac{4}{8}$

$= \frac{1}{2}$

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

T6	*Tynnu ffracsiynau (enwaduron gwahanol)*

$\frac{4}{5} - \frac{1}{10}$

$\frac{4}{5} - \frac{1}{10} = \frac{8}{10} - \frac{1}{10}$

$= \frac{7}{10}$

−	4	5
1	X	5
10	40	50

$\frac{35}{50} = \frac{7}{10}$

Dull ①: Y Dull Traddodiadol.
Ysgrifennu'r ffracsiynau dros enwadur cyffredin (y rhif lleiaf yn nhablau 5 a 10) cyn tynnu'r ffracsiynau.

Dull ②: Dully gneuen ddaear.
Llenwir tabl drwy luosi cyn tynnu'r rhifau yn y 'gneuen ddaear'.
Symleiddio'r atebion.

T7	*Tynnu rhif negatif*

$12 - -5$

$= 12 + 5$

$= 17$

Mae tynnu rhif negatif yr un peth ag adio.

Lluosi

LL1	*Lluosi rhifau yn y pen*
4 × 5 = 20	
7 × 3 = 21	
6 × 9 = 54	

Mae'n ddefnyddiol gallu cofio'n rhugl ffeithiau lluosi fel y rhai yma.

LL2	*Lluosi efo rhif cyfan llai na 10*

427 × 6

```
  427
x   6
-----
2562
-----
 14
```

Gweithio o'r dde i'r chwith.
Cario ymlaen fel bo'r angen.

LL3	*Lluosi efo 5 yn sydyn*

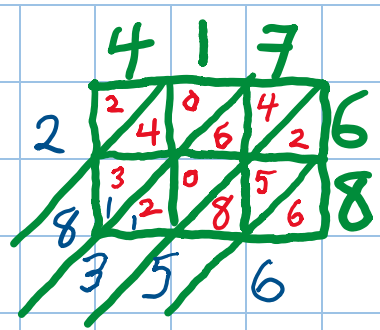
64 × 5

64 × 10 = 640
640 ÷ 2 = 320

I lluosi efo 5 yn sydyn, lluoswch efo 10 wedyn haneru.

LL4	*Lluosi rhifau cyfan efo'r grid*

417 × 68

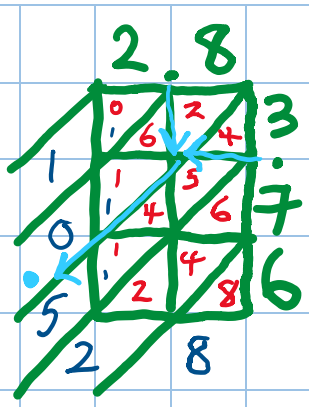


Ateb: 28,356

Cam 1: Gosod yn syml allan gan ddefnyddio grid.
Cam 2: Llenwi'r grid trwy luosi'r digidau ar y top efo'r digidau ar y dde.
Cam 3: Adio'r croeslinau gan gychwyn gweithio ar y dde.

LL5	*Lluosi degolion efo'r grid*

2.8 × 3.76



Ateb: 10.528

LL6	*Lluosi trwy ffactorio*

4.2 × 20

= 4.2 × 10 × 2
= 42 × 2
= 84

LL7	*Pwerau*

3^4

= 3 × 3 × 3 × 3
= 9 × 3 × 3
= 27 × 3
= 81

81
× 3
81
2

Dilynwch yr un dull ag uchod (LL4) i gychwyn.

I gael lleoliad y pwynt degol yn yr ateb, maer ddau bwynt degol gwreiddiol yn cyfarfod ynán mynd ar draws y groeslin.

Rydym yn ffactorio 20 fel 10x2 er mwyn hollti'r swm gwreiddiol i mewn i ddau swm haws.

Dull gwahanol:

3 x 3 x 3 x 3
= 9 x 9
= 81

LL8	*Lluosi rhifau mawr*

4000 × 500

$4 \times 5 = 20$

4000×500

$= 2000000$

$= 2,000,000$

Cychwyn trwy lluosi'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 lluosi'r ddau rifiadur (top) a lluosi'r 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 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*

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

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

$= \frac{6}{24} \times 17$

$= \frac{1}{4} \times 17$

$= 4.25$

Defnyddio cymudedd lluosi (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 hanner 2 waith.

LL13	*Lluosi efo ffracsiwn: ffracsiynau cywerth*

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

$\frac{120}{250} \times 300 = \frac{12}{25} \times 300$

$= \frac{48}{100} \times 300$

$= 3 \times 48$

$= 144$

48
x 3
144
2

Symleiddio'r ffracsiwn trwy rannu top a gwaelod efo 10.
Ffurfio ffracsiwn cywerth trwy luosi 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			

Mae 24÷3=8 gan fod 8×3=24.

RH2	*Ffrâm rannu: dim gweddill*
4236 ÷ 3	

1 4 1 2
3) 4 ¹2 3 6

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

RH3	*Ffrâm rannu: efo gweddill*
6328 ÷ 5	

1 2 6 5 g 3
5) 6 ¹3 ³2 ²8

Cwestiwn laf: '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?' ....

RH4	*Ffrâm rannu: ateb fel degolyn*
2763 ÷ 4	

0 6 9 0.7 5
4) 2 ²7 ³6 3 ³.0 ²0

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

RH5	*Rhannu efo degolyn*
3 ÷ 0.25	

= 3 × 4
= 1 2

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

RH6	*Rhannu efo degolyn trwy ddefnyddio ffracsiwn cywerth*

30 ÷ 1.2

$= \frac{30}{1.2}$

$= \frac{300}{12}$

$= \frac{150}{6}$

$= \frac{50}{2}$

$= 25$

Ysgrifennu'r sum rhannu fel ffracsiwn.
Lluosi top a gwaelod efo 10.

Rhannu top a gwaelod efo 2.

Rhannu top a gwaelod efo 3.

Hanner 50 yw 25.

RH7	*Rhannu trwy ganslo*

3600 ÷ 400

$= \frac{3600}{400}$

$= \frac{36}{4}$

$= 9$

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 ÷ 4 = 9.

RH8	*Rhannu ffracsiynau*

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

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

$= \frac{14}{15}$

Mae rhannu efo ffracsiwn yr un peth â lluosi efo cilydd y ffracsiwn.
- Teidio newid y ffracsiwn laf.
- Newid y sum ÷ i sum ×.
- Cymryd cilydd yr 2il ffracsiwn

Canrannau

C1	*Canran o rif (hawdd)*

Beth yw 20% o £60?

10% £60 ÷ 10 = £6

20% £6 x 2 = £12

Ffeindio 10% trwy rannu â 10.
Dyblu'r 10% i gael 20%.

C2	*Canran o rif (canolig)*

Beth yw 38% o £84?

10% £84 ÷ 10 = £8.40

1% £8.40 ÷ 10 = £0.84

30% 8%

8.40 × 3 = 25.20

0.84 × 8 = 6.72

25.20 + 6.72 = £31.92 (38%)

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

Ffeindio 30% trwy luosi'r 10% eto 3, a ffeindio 8% trwy luosi'r 1% eto 8.

Ffeindio 38% trwy adio'r 30% at yr 8%.

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%

0.0063 × 2 = 0.0126

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

Ymarfer 1

(1) 14 + 23 + 10 + 28

Marc: ___ / 1 **A1**

(2) 532 × 4

Marc: ___ / 1 **LL2**

(3) Beth yw 10% o £65?

Marc: ___ / 1 **C1**

(4) 725 – 487

Marc: ___ / 1 **T2**

(5) $\frac{3}{4} \times 20$

Marc: ___ / 1 **LL10**

(6) 6 ÷ 0.5

Marc: ___ / 1 **RH5**

(7) Beth yw 73% o £92?

Marc: ___ / 1 **A4**

(8) 320,000 ÷ 4,000

Marc: ___ / 2 **RH7**

(9) 1 awr 30 munud + 2 awr 45 munud

Marc: ___ / 2 **LL6**

(10) 7.8 × 60

Marc: ___ / 3 **C2**

(11) $\frac{42}{240} \times 40$

Marc: ___ / 2 **LL12**

Ymarfer 2

(1) 64 – 5 – 13

Marc: ___ / 1 **T1**

(2)

5 × 4 =

9 × 6 =

7 × 5 =

8 × 8 =

3 × 12 =

Marc: ___ / 5 **LL1**

(3) 523 + 8,621

Marc: ___ / 1 **A2**

(4) 6^3

Marc: ___ / 1 **LL7**

(5) 7 – –4

Marc: ___ / 1 **T7**

(6) $\frac{2}{7} \div \frac{4}{5}$

(7) Beth yw 0.3% o £90?

Marc: ___ / 2 **RH8**

(8) $\frac{20}{100} \times 30$

Marc: ___ / 2 **LL11**

(9) 2,556 ÷ 6

Marc: ___ / 2 **C3**

(10) $\frac{5}{12} + \frac{1}{12}$

Marc: ___ / 1 **RH2**

(11) 1 ÷ 8

Marc: ___ / 1 **RH4**

(12) 86 × 5

Marc: ___ / 1 **LL3**

Marc: ___ / 2 **A5**

Ymarfer 3

(1)

1	5	÷	5	=	
2	1	÷	3	=	
6	4	÷	8	=	
2	4	÷	2	=	
3	6	÷	4	=	

Marc: ___ / 5 **RH1**

(2) Beth yw 10% o $64?

Marc: ___ / 1 **C1**

(3) 283 × 49

Marc: ___ / 2 **LL4**

(4) 2 awr 30 munud – 1 awr 40 munud

Marc: ___ / 1 **T4**

(5) 14,400,000,000 ÷ 7,200,000,000

Marc: ___ / 2 **RH7**

(6) 5.28 + 72.063

Marc: ___ / 1 **A3**

(7) 8 + –2

Marc: ___ / 1 **A7**

(8) $\frac{3}{50} \times 70$

Marc: ___ / 2 **LL13**

(9) $\frac{3}{5} + \frac{7}{8}$

Marc: ___ / 2 **A6**

(10) $\frac{3}{5} \times \frac{7}{8}$

Marc: ___ / 1 **LL9**

Ymarfer 4

(1) 30×40

Marc: ___ / 1 **LL8**

(2) $42 + 9 + 21$

Marc: ___ / 1 **A1**

(3) 56×7

Marc: ___ / 1 **LL2**

(4) $34.6 - 2.75$

(5) 5.23×7.4

Marc: ___ / 1 **T3**

(6) $4.9 \div 1.4$

Marc: ___ / 2 **LL5**

(7) $\frac{7}{9} - \frac{5}{8}$

Marc: ___ / 1 **RH6**

(8) $\frac{7}{9} - \frac{4}{9}$

Marc: ___ / 2 **T5**

Marc: ___ / 2 **T6**

(9) 74×36

(10) $534 + 8{,}723 + 94$

Marc: ___ / 1 **RH3**

(11) $1{,}387 \div 3$

Marc: ___ / 1 **A2**

Marc: ___ / 2 **LL4**

Ymarfer 5

(1)

4	×	7	=		
3	×	9	=		
6	×	6	=		
5	×	8	=		
2	×	3	=		

Marc: ___ / 5 **LL1**

(2) 782 – 347

Marc: ___ / 1 **T2**

(3) Beth yw 50% o £62?

Marc: ___ / 1 **C1**

(4) 758 ÷ 2

Marc: ___ / 1 **RH2**

(5) $\frac{4}{24} \times 42$

(6) 5 ÷ 0.2

Marc: ___ / 1 **RH5**

(7) 2^5

(8) 4 awr 20 munud
+ 3 awr 50 munud

Marc: ___ / 2 **LL11**

(9) Beth yw 43% o £140?

Marc: ___ / 1 **A4**

Marc: ___ / 1 **LL7**

(10) 8 – –7

Marc: ___ / 1 **T7**

(11) 2.1 × 30

Marc: ___ / 2 **C2**

Marc: ___ / 1 **LL6**

Ymarfer 6

(1) 87 – 3 – 14

Marc: ___ / 1 **T1**

(2) 813 × 4

Marc: ___ / 1 **LL2**

(3) 97 + 2872 + 390

Marc: ___ / 1 **A2**

(4) 2608 ÷ 5

Marc: ___ / 1 **RH3**

(5) 4.3 + 72.84 + 9.7

Marc: ___ / 1 **A3**

(6) 5^4

(7) 5 awr 23 munud
– 2 awr 47 munud

Marc: ___ / 1 **T4**

(8) $\frac{11}{20} \times 10$

Marc: ___ / 2 **LL5**

(9) 5.7 × 2.6

Marc: ___ / 2 **LL12**

Marc: ___ / 2 **LL7**

(10) 8 + –2

Marc: ___ / 1 **A7**

Ymarfer 7

(1)

2	4	÷	4	=	
4	5	÷	9	=	
1	2	÷	3	=	
1	8	÷	2	=	
4	9	÷	7	=	

Marc: ___ / 5 **RH1**

(2) $\frac{2}{9} + \frac{4}{9}$

Marc: ___ / 1 **A5**

(3) 43 × 5

Marc: ___ / 1 **LL3**

(4) 5.2 – 2.67

Marc: ___ / 1 **T3**

(5) 8,000 × 50,000

Marc: ___ / 1 **LL8**

(6) Beth yw 2.03% o £1,800?

Marc: ___ / 2 **C3**

(7) 84,000,000,000 ÷ 20,000,000

Marc: ___ / 1 **RH7**

(8) 34 ÷ 8

Marc: ___ / 1 **RH4**

(9) $\frac{2}{7} \times \frac{3}{4}$

Marc: ___ / 2 **LL9**

(10) 8 – –1

Marc: ___ / 1 **T7**

Ymarfer 8

(1) Beth yw 25% o £60?

Marc: ___ / 1 **C1**

(2) $\frac{1}{2} \times 15$

Marc: ___ / 1 **LL10**

(3) 8^2

Marc: ___ / 1 **LL7**

(4) $15 \div 0.5$

(5) $9 \div 0.6$

(6) $\frac{1}{7} + \frac{3}{5}$

Marc: ___ / 2 **A6**

Marc: ___ / 1 **RH5**

(7) 835×62

Marc: ___ / 2 **RH6**

(8) $30 - 11.24$

Marc: ___ / 1 **T3**

(9) $\frac{3}{50} \times 7$

Marc: ___ / 2 **LL4**

(10) 4.8×20

(11) $95 + 17$

Marc: ___ / 1 **A1**

Marc: ___ / 1 **LL6**

Marc: ___ / 2 **LL13**

Ymarfer 9

(1) 1 awr 10 munud – 33 munud

Marc: ___ / 1 **T4**

(2) $\frac{7}{9} - \frac{2}{9}$

Marc: ___ / 1 **T5**

(3) 204 – 7

Marc: ___ / 1 **T1**

(4) $\frac{2}{5} \div \frac{2}{9}$

Marc: ___ / 2 **RH8**

(5) 8.3 + 16 + 0.02

Marc: ___ / 1 **A3**

(6) Beth yw 82% o $180?

(7) 204 × 5

Marc: ___ / 1 **LL3**

(8) 83.2 × 4.7

Marc: ___ / 2 **LL5**

(9) 7,209 × 8

Marc: ___ / 1 **LL2**

Marc: ___ / 2 **C2**

(10) 3,801 ÷ 7

Marc: ___ / 1 **RH2**

Ymarfer 10

(1)

4	×	6	=		
7	×	4	=		
9	×	3	=		
5	×	8	=		
4	×	2	=		

Marc: ___ / 5 **LL1**

(2) $\frac{4}{5} \times 35$

Marc: ___ / 1 **LL10**

(3) 8,923 – 2,478

Marc: ___ / 1 **T2**

(4) $\frac{7}{10} - \frac{2}{5}$

Marc: ___ / 2 **T6**

(5) 380 ÷ 9

Marc: ___ / 1 **RH3**

(6) 16 + – 7

Marc: ___ / 1 **A7**

(7) 1,400,000 × 200,000,000

Marc: ___ / 1 **LL8**

(8) $\frac{15}{28} \times 14$

Marc: ___ / 2 **LL12**

(9) $\frac{5}{6} \times \frac{2}{3}$

Marc: ___ / 2 **LL9**

(10) $\frac{5}{14} + \frac{2}{14}$

Marc: ___ / 2 **A5**

(11) 9 ÷ 0.1

Marc: ___ / 1 **RH5**

Ymarfer 11

(1)

4	8	÷	8	=	
5	6	÷	7	=	
1	8	÷	6	=	
5	0	÷	5	=	
2	8	÷	4	=	

Marc: ___ / 5 **RH1**

(6) $23 \div 8$

Marc: ___ / 2 **RH4**

(7) $\frac{3}{4} + \frac{7}{12}$

Marc: ___ / 2 **A6**

(2) 7 awr 20 munud
+ 3 awr 45 munud

Marc: ___ / 1 **A4**

(5) Beth yw 1.25% o £80?

Marc: ___ / 2 **C3**

(8) $\frac{3}{4} \div \frac{7}{12}$

Marc: ___ / 2 **RH8**

(3) $18 - -5$

Marc: ___ / 1 **T7**

(4) $\frac{24}{72} \times 15$

Marc: ___ / 2 **LL11**

(9) $\frac{3}{125} \times 2000$

Marc: ___ / 2 **LL13**

Ymarfer 12

(1) 4 + 8 + 7 + 3 + 9 + 2

Marc: ___ / 1 **A1**

(2) $\frac{6}{7} - \frac{1}{7}$

Marc: ___ / 1 **T5**

(3) Beth yw 20% o 5?

Marc: ___ / 1 **C1**

(4) 15 ÷ 2.5

Marc: ___ / 1 **RH6**

(5) 6^3

Marc: ___ / 1 **LL7**

(6) 739 × 8

Marc: ___ / 1 **LL2**

(7) 73.4 – 4.69

Marc: ___ / 1 **T3**

(8) $\frac{5}{8} \times \frac{3}{5}$

Marc: ___ / 2 **LL9**

(9) 91,792 ÷ 2

Marc: ___ / 1 **RH2**

(10) 2,347 + 430

Marc: ___ / 1 **A2**

(11) 4 ÷ 0.5

Marc: ___ / 1 **RH5**

(12) 35 munud + 47 munud

Marc: ___ / 1 **A4**

Ymarfer 13

(1)

3	×	9	=		
4	×	0	=		
5	×	6	=		
6	×	7	=		
7	×	5	=		

Marc: ___ / 5 **LL1**

(2) 4.5 + 12.3 + 3.8

Marc: ___ / 1 **A3**

(3) 8,704 – 2,338

Marc: ___ / 1 **T2**

(4) $\frac{9}{10} - \frac{1}{2}$

(5) 86 ÷ 5

Marc: ___ / 1 **RH3**

(6) 86 ÷ 5

Marc: ___ / 1 **RH4**

(7) 50 × 15

Marc: ___ / 1 **LL6**

(8) Beth yw 73% o 190?

Marc: ___ / 2 **T6**

(9) 6,207 × 358

Marc: ___ / 2 **LL4**

(10) $\frac{2}{5} \times £45$

Marc: ___ / 1 **LL10**

Marc: ___ / 2 **C2**

Ymarfer 14

(1) 73 – 5 – 3 – 10 – 6

Marc: ___ / 1 **T1**

(2) 72 × 5

Marc: ___ / 1 **LL3**

(3) 3 awr 30 munud – 1 awr 45 munud

Marc: ___ / 1 **T4**

(4) 66 ÷ 2.2

Marc: ___ / 1 **RH6**

(5) $\frac{4}{5} \div \frac{10}{11}$

Marc: ___ / 2 **RH8**

(6) $\frac{3}{10} + \frac{5}{10}$

Marc: ___ / 2 **A5**

(7) 8,000 × 40,000

Marc: ___ / 1 **LL8**

(8) Beth yw 1.3% o £450?

Marc: ___ / 2 **A6**

(9) 23.5 × 47

Marc: ___ / 2 **LL5**

(10) $\frac{3}{4} + \frac{5}{12}$

Marc: ___ / 2 **C3**

Ymarfer 15

(1)

3 6 ÷ 6 =

2 4 ÷ 3 =

1 6 ÷ 2 =

4 2 ÷ 7 =

7 2 ÷ 8 =

Marc: ___ / 5 **RH1**

(2) 8,000 ÷ 400

Marc: ___ / 1 **RH7**

(3) $\frac{4}{7} - \frac{1}{7}$

Marc: ___ / 1 **T5**

(4) $\frac{5}{7} \times £42$

Marc: ___ / 1 **LL10**

(5) 23 + –7

Marc: ___ / 1 **A7**

(6) $\frac{16}{25} \times 50$

Marc: ___ / 2 **LL12**

(7) 23 – –7

Marc: ___ / 1 **T7**

(8) $\frac{16}{32} \times 50$

Marc: ___ / 2 **LL11**

(9) 83 + 9,402 + 456

Marc: ___ / 1 **A2**

(10) 2^6

Marc: ___ / 1 **LL7**

(11) 336 ÷ 7

Marc: ___ / 1 **RH2**

(12) Beth yw 50% o £25?

Marc: ___ / 1 **C1**

Ymarfer 16

(1)

6	×	2	=		
3	×	3	=		
4	×	8	=		
9	×	4	=		
7	×	1	=		

Marc: ___ / 5 **LL1**

(2) 927 – 263

Marc: ___ / 1 **T2**

(3) 6319 × 8

Marc: ___ / 1 **LL2**

(4) 1,800,000,000 ÷ 90,000,000

Marc: ___ / 1 **RH7**

(5) Beth yw 62% o £128?

Marc: ___ / 2 **C2**

(6) $\frac{7}{25} \times 900$

Marc: ___ / 2 **LL13**

(7) 5 awr 20 munud
– 3 awr 42 munud

Marc: ___ / 1 **T4**

(8) 3 ÷ 0.25

(9) 10^2

Marc: ___ / 1 **LL7**

Marc: ___ / 1 **RH5**

Ymarfer 17

(1) 2 + 7 + 14 + 4 + 10

Marc: ___ / 1 **A1**

(2) 52 × 5

Marc: ___ / 1 **LL3**

(3) $\frac{12}{13} - \frac{7}{13}$

Marc: ___ / 1 **T5**

(4) 9.2 × 40

Marc: ___ / 1 **LL6**

(5) 255 ÷ 6

Marc: ___ / 1 **RH4**

(6) $\frac{4}{3} \times \frac{2}{9}$

Marc: ___ / 1 **LL9**

(7) 82.4 + 0.32 + 9.298

Marc: ___ / 1 **A3**

(8) 70,000 × 300,000

Marc: ___ / 1 **LL8**

(9) 4.7 × 285.7

Marc: ___ / 2 **LL5**

(10) $\frac{5}{6} + \frac{2}{3}$

Marc: ___ / 2 **A6**

(11) 32.1 – 4.65

(12) 18 + –5

Marc: ___ / 1 **A7**

Marc: ___ / 1 **T3**

Ymarfer 18

(1)

4	2	÷	7	=	
8	1	÷	9	=	
2	0	÷	4	=	
1	4	÷	1	=	
3	6	÷	3	=	

Marc: ___ / 5 **RH1**

(6) Beth yw 27.52% o £900?

Marc: ___ / 2 **C3**

(2) 43 munud ar ôl 2:40 pm

Marc: ___ / 1 **A4**

(4) 83 × 26

(7) $\frac{2}{7} \div \frac{4}{5}$

Marc: ___ / 2 **RH8**

(9) 7 – –3 – –9

Marc: ___ / 1 **T7**

(3) 1300 ÷ 4

Marc: ___ / 1 **RH2**

(5) $\frac{34}{68} \times 12$

Marc: ___ / 2 **LL11**

(8) $\frac{11}{20} \times 2$

Marc: ___ / 2 **LL12**

(10) 85 ÷ 100

Marc: ___ / 1 **RH1**

Ymarfer 19

(1) 82 – 4 – 3 – 1

Marc: ___ / 1 **T1**

(2) $\frac{4}{15} + \frac{1}{15}$

Marc: ___ / 2 **A6**

(3) 54 × 9

Marc: ___ / 1 **LL2**

(4) 7.5 ÷ 2.5

Marc: ___ / 1 **RH6**

(5) $\frac{9}{10} - \frac{1}{2}$

(6) 34289 + 87943

Marc: ___ / 1 **A2**

(7) Beth yw 10% o €9.80?

Marc: ___ / 1 **C1**

(8) 12,849 ÷ 3

Marc: ___ / 1 **RH2**

(9) $\frac{5}{8} \times £48$

Marc: ___ / 2 **T6**

(10) 230 × 5

Marc: ___ / 1 **LL10**

(11) $\frac{1}{8} \div \frac{1}{7}$

(12) 1^3

Marc: ___ / 1 **LL7**

(13) 10 + –12

Marc: ___ / 1 **A7**

Marc: ___ / 2 **RH8**

Ymarfer 20

(1)

2	×	3	=		
4	×	6	=		
8	×	5	=		
3	×	9	=		
6	×	7	=		
10	×	5	=		
5	×	0	=		
8	×	1	=		
7	×	8	=		
12	×	9	=		

Marc: ___ / 10 **LL1**

(2) 723 – 258

Marc: ___ / 1 **T2**

(3) 423 ÷ 5

Marc: ___ / 1 **RH3**

(4) $\frac{3}{20} + \frac{11}{20}$

(5) Beth yw 93% o £2,750?

Marc: ___ / 2 **A5**

(6) 802 × 53

Marc: ___ / 2 **LL4**

(7) 32.7 + 28.4 + 52.9

Marc: ___ / 1 **A3**

(8) –5 – –8

(9) 6.23 × 10

Marc: ___ / 1 **LL1**

Marc: ___ / 2 **C2**

Marc: ___ / 1 **T7**

Ymarfer 21

(1) 40 + 70 + 30

Marc: ___ / 1 **A1**

(2) 7 ÷ 0.5

Marc: ___ / 1 **RH5**

(3) 8.4 × 50

Marc: ___ / 1 **LL3, LL6**

(4) $\frac{1}{6} + \frac{5}{6}$

Marc: ___ / 1 **A5**

(5) $\frac{1}{6} \times \frac{5}{6}$

Marc: ___ / 1 **LL9**

(6) $\frac{1}{6} \div \frac{5}{6}$

(7) 288,000,000,000 ÷ 20,000,000

Marc: ___ / 1 **RH7**

(8) 25.8 – 10.9

Marc: ___ / 1 **T3**

(9) 4 munud 20 eiliad
+ 7 munud 54 eiliad

Marc: ___ / 1 **A4**

(10) 5.2 × 7.3

Marc: ___ / 2 **RH8**

(11) 17 ÷ 8

(12) 0.036 × 100

Marc: ___ / 1 **LL1**

Marc: ___ / 1 **RH4**

Marc: ___ / 2 **LL5**

Ymarfer 22

(1)

1	2	÷	3	=	
	8	÷	2	=	
3	9	÷	3	=	
1	6	÷	4	=	
5	6	÷	8	=	

Marc: ___ / 5 **RH1**

(6) Beth yw 2.45% o £300?

Marc: ___ / 2 **C3**

(2) 400 × 30

Marc: ___ / 1 **LL8**

(4) $\frac{5}{25} \times 120$

Marc: ___ / 2 **LL11**

(8) $\frac{47}{50} \times 200$

Marc: ___ / 2 **LL13**

(10) $\frac{4}{9} \times £72$

Marc: ___ / 1 **LL10**

(3) 1 awr 10 munud
– 36 munud

Marc: ___ / 1 **T4**

(5) $\frac{7}{8} - \frac{1}{8}$

Marc: ___ / 2 **T5**

(7) $\frac{7}{8} - \frac{1}{4}$

Marc: ___ / 2 **T6**

(9) 827 + 9271

Marc: ___ / 1 **A2**

Ymarfer 23

(1) 45 – 12 – 3 – 6

Marc: ___ / 1 **T1**

(2) 279 × 7

Marc: ___ / 1 **LL2**

(3) 72590 – 6284

Marc: ___ / 1 **T2**

(4) Beth yw 30% o £40?

Marc: ___ / 1 **C1**

(5) $\frac{4}{5} \times \frac{8}{9}$

Marc: ___ / 1 **LL9**

(6) 45 ÷ 1.5

Marc: ___ / 2 **RH6**

(7) $\frac{7}{8} \times 4$

Marc: ___ / 2 **LL12**

(8) 4293 × 5417

Marc: ___ / 2 **LL4**

(9) $\frac{11}{12} - \frac{5}{6}$

Marc: ___ / 2 **T6**

(10) 4^4

Marc: ___ / 2 **LL7**

(11) 458 ÷ 2

Marc: ___ / 1 **RH2**

(12) –1 – –1

Marc: ___ / 1 **T7**

Ymarfer 24

(1) 32 + 7 + 8 + 9

Marc: ___ / 1 **A1**

(2) 3.2 – 1.28

Marc: ___ / 1 **T3**

(3) $\frac{1}{7} + \frac{2}{7} + \frac{3}{7}$

Marc: ___ / 1 **A5**

(4) 85 ÷ 3

Marc: ___ / 1 **RH3**

(5) Beth yw 36% o $75?

(6) 8 × 70

Marc: ___ / 1 **LL6**

(7) $\frac{3}{2} + \frac{4}{3}$

Marc: ___ / 2 **A6**

(8) 703 × 821

Marc: ___ / 2 **LL4**

(9) $\frac{2}{3} \div \frac{7}{8}$

Marc: ___ / 2 **RH8**

(10) 9 + –2

Marc: ___ / 1 **A7**

(11) 5 ÷ 0.2

Marc: ___ / 1 **RH5**

Marc: ___ / 2 **C2**

Ymarfer 25

(1)

1	5	÷	5	=	
2	7	÷	9	=	
2	4	÷	8	=	
2	1	÷	7	=	
1	8	÷	6	=	

Marc: ___ / 5 **RH1**

(2) 48 + 2396 + 481

Marc: ___ / 1 **A2**

(3) $\frac{3}{11} + \frac{5}{11}$

Marc: ___ / 1 **A5**

(4) 3 ÷ 16

Marc: ___ / 1 **RH4**

(5) 842 × 63

Marc: ___ / 2 **LL4**

(6) 6293 – 837

Marc: ___ / 1 **T2**

(7) Beth yw 75% o £60?

Marc: ___ / 1 **C1**

(8) $\frac{32}{80} \times \$15$

Marc: ___ / 2 **LL11**

(9) $\frac{7}{12} - \frac{1}{3}$

Marc: ___ / 1 **T6**

(10)

9	×	7	=		
6	×	8	=		
11	×	5	=		
8	×	9	=		
4	×	12	=		
5	×	13	=		
7	×	8	=		

Marc: ___ / 7 **LL1**

Atebion

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