

Big Maths Beat That!: Teacher Notes

CLIC Challenge 16			
	Step Location in the CLIC framework		Title of Step
	Progress Drive	Step No.	
Q1	Counting: Squiggleworth	3	I can partition a 1dp number
Q2	Counting: Count Fourways	-1s	
Q3	INN: Multiplying by 10	3	I can multiply decimals by 10
Q4	INN: Where's Mully	3	I can find Mully using Smile Multiplication
Q5	INN: Pim's Addition	4	I can add tenths
Q6	Calc: x	12	I can solve any 1d x 1d
Q7	Calc: ÷	21	I can use a Tables Fact to find a division fact
Q8	Calc: ÷	23	I can combine 2 or more Tables Facts to solve division
Q9	Column Methods: -	5	I can solve any 3d - 3d
Q10	Column Methods: ÷	4	I can solve a 3d ÷ 1d (using any table) No remainders in answer



1

4.6

2

-182 -181 -180 -179

3

4.6 x 10 =

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 4 heb fynd heibio 362

5

0.6 + 0.8 =

6

7 x 8 =

7

50 ÷ 6 =

8

80 ÷ 6 =

9

985
- 596

10

3 | 297





Enw:

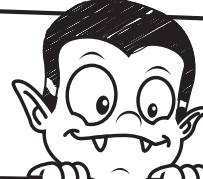
Dosbarth:

Dyddiad:

1

$$3.7$$

2



-69	-68	-67	-66	
-----	-----	-----	-----	--

3

$$5.3 \times 10 =$$



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 3 heb fynd heibio 271


5

$$0.7 + 0.4 =$$


6

$$6 \times 7 =$$


7

$$47 \div 9 =$$


8

$$120 \div 9 =$$


9

$$\begin{array}{r} 467 \\ - 231 \\ \hline \end{array}$$


10

$$5 \overline{) 290}$$



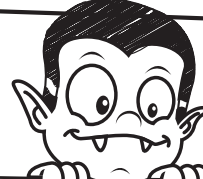



1

5.8

Diagram showing a number line with a tick mark at 5.8.

2



Character with vampire fangs and a bow tie, standing behind a row of four boxes containing the numbers: -32, -31, -29, -28.

3

9.7 x 10 =

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 5 heb fynd heibio 453

5


0.5 + 0.3 =

6

6 x 8 =


7

60 ÷ 8 =




8

100 ÷ 8 =




9

793
- 388



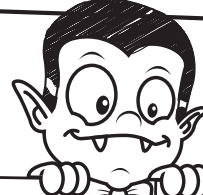
10

4 | 192






1 7.4

2 

-90		-88	-87	-86
-----	--	-----	-----	-----

3 $13.4 \times 10 =$

Enw:

Dosbarth:

Dyddiad:




4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 6 heb fynd heibio 425


5 $0.4 + 0.6 =$

6 $7 \times 9 =$


7 $53 \div 7 =$




8 $102 \div 7 =$



9
$$\begin{array}{r} 431 \\ - 284 \\ \hline \end{array}$$



10
$$6 \overline{)312}$$



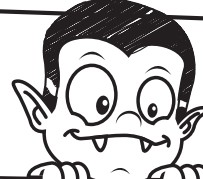



1

2.9

Diagram showing the number 2.9 with two diagonal lines extending downwards from the 9, representing a place value chart.

2



55 54 53 52

A vampire character with fangs and a bowtie is peeking over a row of five boxes containing the numbers 55, 54, 53, 52, and an empty box.

3

36.1 x 10 =

A speech bubble containing the multiplication problem.

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 7 heb fynd heibio 564

A text-based math problem in Welsh: "Mully is hiding behind the largest number 7 without going past 564".

5

0.7 + 0.7 =

A simple addition problem.


6

6 x 9 =

A simple multiplication problem.

7


58 ÷ 6 =



A simple division problem with a small cartoon boy character at the bottom right.

8


93 ÷ 6 =



A simple division problem with a small cartoon boy character at the bottom right.

9


754
- 541



A subtraction problem with a small cartoon boy character at the bottom right.

10

8 | 504



A long division problem with a small cartoon boy character at the bottom right.



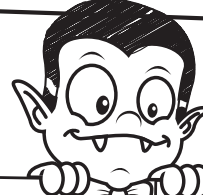


1

8.5

Diagram showing 8.5 with two diagonal lines forming a triangle below it.

2



-101 -100 -99 -97

3

45.2 x 10 =

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 8 heb fynd heibio 647

5


0.8 + 0.9 =

6

8 x 9 =


7

75 ÷ 9 =




8

137 ÷ 9 =




9

319
- 156



10

4 | 252






1 9.3

2 -1 1 2 3

3 $8.26 \times 10 =$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 9 heb fynd heibio 816

5 $0.6 + 0.7 =$

6 $7 \times 7 =$

7 $78 \div 8 =$

8 $140 \div 8 =$

9
$$\begin{array}{r} 432 \\ - 389 \\ \hline \end{array}$$

10 $7 \overline{)609}$





1 6.2

2

77	78	79	80	
----	----	----	----	--

3 $0.74 \times 10 =$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 6 heb fynd heibio 304

5 $0.9 + 0.9 =$

6 $6 \times 9 =$

7 $60 \div 7 =$

8 $94 \div 7 =$

9
$$\begin{array}{r} 654 \\ - 286 \\ \hline \end{array}$$

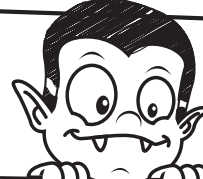
10
$$\begin{array}{r} 4 \overline{) 224} \end{array}$$





1 3.4

Diagram showing the number 3.4 with two diagonal lines extending downwards from the decimal point, indicating a place value chart.

2 

Number line with values: -21, -20, -18, -17

3 $0.382 \times 10 =$

Enw:

Dosbarth:

Dyddiad:




4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 7 heb fynd heibio 635


5 $0.5 + 0.8 =$

6 $8 \times 4 =$


7 $45 \div 6 =$




8 $115 \div 6 =$



9
$$\begin{array}{r} 671 \\ - 456 \\ \hline \end{array}$$



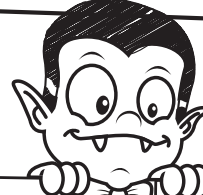
10
$$7 \overline{) 518}$$







1 7.6

2 

-211	-210	-209	-208	
------	------	------	------	--

3 $2.615 \times 10 =$

Enw:

Dosbarth:

Dyddiad:




4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 8 heb fynd heibio 723


5 $0.8 + 0.6 =$

6 $7 \times 6 =$


7 $86 \div 9 =$




8 $156 \div 9 =$



9
$$\begin{array}{r} 531 \\ - 356 \\ \hline \end{array}$$



10
$$4 \overline{) 292}$$

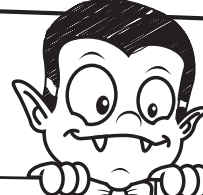





1

$$\begin{array}{r} 4.6 \\ / \quad \backslash \\ 4 \quad \quad 0.6 \end{array}$$

2



-182	-181	-180	-179	-178
------	------	------	------	------

3

$$4.6 \times 10 = 46$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 4 heb fynd heibio 362

360


5

$$0.6 + 0.8 = 1.4$$


6

$$7 \times 8 = 56$$


7

$$50 \div 6 = 8 \text{ r } 2$$



8

$$80 \div 6 = 13 \text{ r } 2$$


9

$$\begin{array}{r} 985 \\ - 596 \\ \hline 389 \end{array}$$


10

$$3 \overline{) 297} \quad 99$$


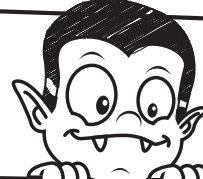




1

$$\begin{array}{r} 3.7 \\ \diagdown \quad \diagup \\ 3 \quad 0.7 \end{array}$$

2



-69	-68	-67	-66	-65
-----	-----	-----	-----	-----

3

$$5.3 \times 10 = 53$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 3 heb fynd heibio 271

270


5

$$0.7 + 0.4 = 1.1$$


6

$$6 \times 7 = 42$$


7

$$47 \div 9 = 5 \text{ r } 2$$



8

$$120 \div 9 = 13 \text{ r } 3$$


9

$$\begin{array}{r} 467 \\ - 231 \\ \hline 236 \end{array}$$


10

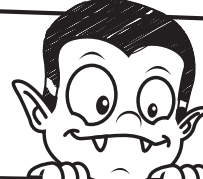
$$\begin{array}{r} 58 \\ 5 \overline{) 290} \end{array}$$





1

$$\begin{array}{r} 5.8 \\ \diagdown \quad \diagup \\ 5 \qquad 0.8 \end{array}$$

2



-32	-31	-30	-29	-28
-----	-----	-----	-----	-----

3

$$9.7 \times 10 = 97$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 5 heb fynd heibio 453

450


5

$$0.5 + 0.3 = 0.8$$


6

$$6 \times 8 = 48$$


7

$$60 \div 8 = 7 \text{ r } 4$$



8

$$100 \div 8 = 12 \text{ r } 4$$


9

$$\begin{array}{r} 793 \\ - 388 \\ \hline 405 \end{array}$$


10

$$\begin{array}{r} 48 \\ 4 \overline{) 192} \end{array}$$





1

$$\begin{array}{r} 7.4 \\ \diagdown \quad \diagup \\ 7 \quad 0.4 \end{array}$$

2



-90	-89	-88	-87	-86
-----	-----	-----	-----	-----

3

$$13.4 \times 10 = 134$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 6 heb fynd heibio 425

420


5

$$0.4 + 0.6 = 1$$


6

$$7 \times 9 = 63$$


7

$$53 \div 7 = 7 \text{ r } 4$$



8

$$102 \div 7 = 14 \text{ r } 4$$


9

$$\begin{array}{r} 431 \\ - 284 \\ \hline 147 \end{array}$$


10

$$\begin{array}{r} 52 \\ 6 \overline{) 312} \end{array}$$


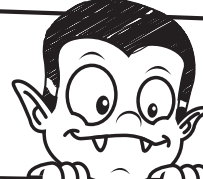




1

$$\begin{array}{r} 2.9 \\ - 0.9 \\ \hline 2 \end{array}$$

2



55	54	53	52	51
----	----	----	----	----

3

$$36.1 \times 10 = 361$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 7 heb fynd heibio 564

560


5

$$0.7 + 0.7 = 1.4$$


6

$$6 \times 9 = 54$$


7

$$58 \div 6 = 9 \text{ r } 4$$



8

$$93 \div 6 = 15 \text{ r } 3$$


9

$$\begin{array}{r} 754 \\ - 541 \\ \hline 213 \end{array}$$


10

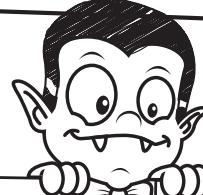
$$\begin{array}{r} 63 \\ 8 \overline{) 504} \end{array}$$





1

$$\begin{array}{r} 8.5 \\ \diagdown \quad \diagup \\ 8 \qquad 0.5 \end{array}$$

2



-101	-100	-99	-98	-97
------	------	-----	-----	-----

3

$$45.2 \times 10 = 452$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 8 heb fynd heibio 647

640


5

$$0.8 + 0.9 = 1.7$$


6

$$8 \times 9 = 72$$


7

$$75 \div 9 = 8 \text{ r } 3$$



8

$$137 \div 9 = 15 \text{ r } 2$$


9

$$\begin{array}{r} 319 \\ - 156 \\ \hline 163 \end{array}$$


10

$$4 \overline{) 252} \begin{array}{l} 63 \end{array}$$






Enw:

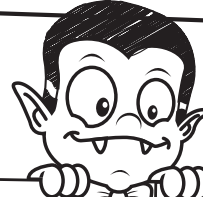
Dosbarth:

Dyddiad:

1

$$\begin{array}{r} 9.3 \\ \diagdown \quad \diagup \\ 9 \quad 0.3 \end{array}$$

2



-1	0	1	2	3
----	---	---	---	---

3

$$8.26 \times 10 = 82.6$$



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 9 heb fynd heibio 816

810


5

$$0.6 + 0.7 = 1.3$$


6

$$7 \times 7 = 49$$


7

$$78 \div 8 = 9 \text{ r } 6$$



8

$$140 \div 8 = 17 \text{ r } 4$$


9

$$\begin{array}{r} 432 \\ - 389 \\ \hline 43 \end{array}$$


10

$$\begin{array}{r} 87 \\ 7 \overline{) 609} \end{array}$$


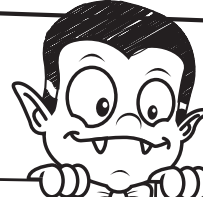




1

$$\begin{array}{r} 6.2 \\ / \quad \backslash \\ 6 \quad 0.2 \end{array}$$

2



77	78	79	80	81
----	----	----	----	----

3

$$0.74 \times 10 = 7.4$$

Enw:

Dosbarth:

Dyddiad:



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 6 heb fynd heibio 304

300


5

$$0.9 + 0.9 = 1.8$$


6

$$6 \times 9 = 54$$


7

$$60 \div 7 = 8 \text{ r } 4$$



8

$$94 \div 7 = 13 \text{ r } 3$$


9

$$\begin{array}{r} 654 \\ - 286 \\ \hline 368 \end{array}$$


10

$$\begin{array}{r} 56 \\ 4 \overline{) 224} \end{array}$$






Enw:

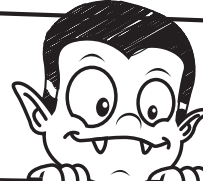
Dosbarth:

Dyddiad:

1

$$\begin{array}{r} 3.4 \\ \diagdown \quad \diagup \\ 3 \quad 0.4 \end{array}$$

2



-21	-20	-19	-18	-17
-----	-----	-----	-----	-----

3

$$0.382 \times 10 = 3.82$$



4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf 7 heb fynd heibio 635

630


5

$$0.5 + 0.8 = 1.3$$


6

$$8 \times 4 = 32$$


7

$$45 \div 6 = 7 \text{ r } 3$$



8

$$115 \div 6 = 19 \text{ r } 1$$


9

$$\begin{array}{r} 671 \\ - 456 \\ \hline 215 \end{array}$$


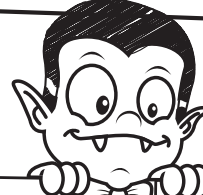
10

$$\begin{array}{r} 74 \\ 7 \overline{) 518} \end{array}$$






1 7.6
 7 0.6

2 
 -211 -210 -209 -208 -207

3 $2.615 \times 10 =$
26.15

Enw:





4 Mae Mully yn cuddio y tu ôl i luosrif mwyaf **8** heb fynd heibio **723**
720

5 $0.8 + 0.6 =$ **1.4**


Dosbarth:

6 $7 \times 6 =$
42

7 $86 \div 9 =$
9 r 5 

8 $156 \div 9 =$
17 r 3 

Dyddiad:

9
$$\begin{array}{r} 531 \\ - 356 \\ \hline 175 \end{array}$$
 

10
$$\begin{array}{r} 73 \\ 4 \overline{) 292} \end{array}$$
 