



Week 1

Bara Menyn

- | | | |
|--|------------------|---|
| (1) £6 | (2) 625 | (3) 43.2 |
| (4) $12 - 4 = 8$ | (5) $9 + 2 = 11$ | (6) $2 + 11 + 8 = 21$; $21 \div 3 = 7$ |
| (7) $\frac{4}{5} = 80\%$ so $\frac{4}{5}$ is the biggest | (8) 1.13 | (9) $8 + 2 + 8 + 2 = 20$ cm |

Rhesymu / Reasoning

2 Coffi's	$2 \times \text{£}1.55 =$	£3.10	
3 Tea's	$3 \times \text{£}1.40 =$	£4.20	
4 Orange Juice	$4 \times \text{£}0.85 =$	£3.40	
Total	£10.70		[2 marks: one for a correct method; one for correct answer]
Change from o £20	£9.30		[1 mark]

Week 2

Bara Menyn

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|------------|-------------|---------------|
| (1) 1063 | (2) £3.65 | (3) 250,000 |
| (4) 20 | (5) 3,400 g | (6) 0.26 |
| (7) £22.50 | (8) 81 | (9) Sept 28th |

Rhesymu / Reasoning

SHOP 1: Need 12 packs ($12 \times 20 = 240$).	Cost $12 \times 35c = \text{£}4.20$	[1 mark]
SHOP 2: Need 5 packs ($5 \times 50 = 250$).	Cost $5 \times 90c = \text{£}4.50$	[1 mark]
SHOP 3: Need 9 packs ($9 \times 25 = 225$).	Cost $9 \times 49c = \text{£}4.41$	[1 mark]
Elsi should buy from the first shop as it is the cheapest option		[1 mark]

Week 3

Bara Menyn

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|------------|--|-------------------|
| (1) 539 | (2) 1, 2, 4, 5, 10, 20 (Factors of 20) | (3) 200,000 |
| (4) £98.01 | (5) 0.84 | (6) $14 + 8 = 22$ |
| (7) 3.8 | (8) 195 minutes | (9) 10 |

Rhesymu / Reasoning

$16.4 - 11.6 = 4.8$ cm	(Height of 4 extra cups)	[1 mark]
$4.8 \div 2 = 2.4$ cm	(Height of two extra cups)	[1 mark]
$16.4 + 2.4 = 18.8$ cm	(Height of ten cups)	[1 mark]

Week 4

Bara Menyn

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|--------|---------|--------------------------------|
| (1) 72 | (2) £15 | (3) $4 \times 4 \times 4 = 64$ |
| (4) 32 | (5) 573 | (6) $\frac{1}{3}$ |
| (7) 6 | (8) 22 | (9) 27.02 |

Rhesymu / Reasoning

Start with 2000 ml

Ian drinks a quarter so, 500 ml, which leaves 1500 ml.

[1 mark for 500 ml]

[1 mark for 1500 ml]

Siwan and Eleri drink half of what is left (750 ml) this leaves 750ml left in the bottle.

[1 mark for 750 ml]

Dafydd drinks 300ml which leaves 450ml left in the bottle.

[1 mark for 450 ml]

Week 5

Bara Menyn

(1) £0.75 or 75c

(2) $\frac{2}{5}$

(3) £23.19

(4) 0.12

(5) 68 mm

(6) 12

(7) 0

(8) 17

(9) 2.2

Rhesymu

Possible scores:	0-0	0-1	0-2	0-3
	1-0	1-1	1-2	1-3
	2-0	2-1	2-2	2-3
	3-0	3-1	3-2	3-3
	4-0	4-1	4-2	4-3

[2 marks for an appropriate method]

$$4 \times 5 = 20$$

[1 mark]

Week 6

Bara Menyn

(1) 54

(2) 24

(3) 770

(4) £1.33 neu 133c

(5) $8 - 4 = 4$

(6) 0.31

(7) 7

(8) $\frac{1}{3}$

(9) $1 + 6 - 4 = 3$

Rhesymu/Reasoning

$$30 \times \text{£}8.20 = \text{£}246$$

[1 mark]

$$\text{£}246 \times \frac{1}{10} = \text{£}24.60$$

[1 mark]

$$\text{£}246 - \text{£}24.60 = \text{£}221.40$$

[1 mark for the method; 1 mark for the correct answer]

Week 7

Bara Menyn

(1) \$8.40

(2) 3843

(3) 111.6

(4) 631,000

(5) $25 + 8 = 33$

(6) $90 - 20 = 70$

(7) $\frac{2}{3} = 66.\dot{6}\%$ so $\frac{2}{3}$ is the biggest

(8) 6.86

(9) 350,000

Rhesymu/Reasoning

$$10 \times 4 \times 3 = 120 \text{ cm}^3$$

Volume of the original gold bar

[1 mark]

$$2 \times 2 \times 2 = 8 \text{ cm}^3$$

Volume of small cube

[1 mark]

$$120 \div 8 = 15$$

[1 mark]