



## Week 1

### Bara Menyn

- |                           |                            |                                |
|---------------------------|----------------------------|--------------------------------|
| (1) $4\frac{1}{2}$ or 4.5 | (2) $1\frac{1}{4}$ or 1.25 | (3) 7.9                        |
| (4) 7                     | (5) 8,300                  | (6) 30                         |
| (7) £60 + £15 = £75       | (8) 1,200 g                | (9) $3.14 \times 10 = 31.4$ cm |

### Rhesymu/Reasoning

- Total of the four original members is  $20 \times 4 = 80$ . [1 mark]  
Add the new age:  $80 + 25 = 105$ . [1 mark]  
Average of the 5 members:  $105 \div 5 = 21$ . [1 mark]

## Week 2

### Bara Menyn

- |         |            |                   |
|---------|------------|-------------------|
| (1) 5   | (2) 3,015  | (3) 20%           |
| (4) 140 | (5) 1007.3 | (6) $\frac{3}{5}$ |
| (7) 288 | (8) 40     | (9) 210,000 cm    |

### Rhesymu/Reasoning

- (a) Length of square  $20 \div 4 = 5$  cm. [1 mark]  
Perimeter  $5 \times 10 = 50$  cm. [1 mark for method; 1 mark for answer]  
(b) Area of one square  $5 \times 5 = 25$  cm<sup>2</sup>. [1 mark]  
Area i gyd  $25 \times 4 = 100$  cm<sup>2</sup>. [1 mark]

## Week 3

### Bara Menyn

- |                                 |                            |                 |
|---------------------------------|----------------------------|-----------------|
| (1) $5 \times 5 \times 5 = 125$ | (2) £2                     | (3) 2,400 ml    |
| (4) $2.54 \times 10^5$          | (5) 0.06                   | (6) 30          |
| (7) $28 \div 8 = 3.5$           | (8) $£44 - £4.40 = £39.60$ | (9) $2^4$ or 16 |

### Rhesymu/Reasoning

*Buses to Fetws-y-coed:*

08:15  
08:31  
08:47  
09:03  
09:19  
**09:35**

*Buses to Llandudno:*

08:15  
08:35  
08:55  
09:15  
**09:35**

The next time the buses will be leaving at the same time is 09.35. [2 marks for correct method; 1 mark for answer]

## Week 4

### Bara Menyn

(1) 15

(4)  $\frac{1}{4}$

(7) 40

(2) £68

(5)  $\frac{9}{50}$

(8)  $\frac{2}{30}$  or  $\frac{1}{15}$

(3) 25.42

(6)  $\frac{3}{4} \times \frac{3}{4} = \frac{9}{16}$

(9)  $3.14 \times 3^2 = 3.14 \times 9 = 28.26 \text{ cm}^2$

### Rhesymu/Reasoning

7 students own an iPhone which is over 12 months old.

14 students own an iPhone which is 12 months old or less.

[1 mark]

$7 + 14 = 21$  students own an iPhone

[1 mark]

three quarters of what number is 21? The number is  $21 \div \frac{3}{4} = 28$ . [1 mark for method; 1 mark for correct answers]

## Week 5

### Bara Menyn

(1) £35.17

(4)  $\frac{6}{12} = \frac{1}{2}$

(7) 153.22

(2)  $5.4 + 12.5 = 17.9$

(5) 8,000

(8)  $\frac{6}{5}$  or 1.2

(3) 8,000 mm

(6) £10.50

(9)  $3^{13}$

### Rhesymu/Reasoning

$£2.50 \div 2 = £1.25$

$£2.50 + £1.25 = £3.75$

$£3.75 \times 3 = £11.25$

[2 mark for method; 1 mark for correct answers]

## Week 6

### Bara Menyn

(1)  $16 - 4 = 12$

(4)  $£250 - £87.50 = £162.50$

(7) 4

(2) 5,532

(5) 6.35 g

(8)  $28 \div 2 = 14 \text{ mph}$

(3)  $108 \div 9 = 12$ ;  $12 \times 5 = £60$

(6) Ann £21; Sue £24

(9) 25,575

### Rhesymu/Reasoning

$75 + 125 = 200 \text{ m}$

If Ian and Robin walk towards each other, they could be  $500 - 200 = 300 \text{ m}$  from each other.

If Ian and Robin walk away from each other, they could be  $500 + 200 = 700 \text{ m}$  from each other.

SO any answer between these two numbers are accepted.

[1 mark for 200 m; 1 mark for 300 m and 700 m; 1 mark for a conclusion]

## Week 7

### Bara Menyn

(1) 0.8

(4) 0.12

(7)  $0.1 \times 0.1 = 0.01$

(2)  $5 + 8 = 13$

(5) 2.1

(8)  $\frac{8}{3} + \frac{13}{4} = \frac{71}{12} = 5\frac{11}{12}$

(3)  $1.23 \times 7 = \$8.61$

(6) 48.035

(9) Màs = Volume  $\times$  Density

### Rhesymu/Reasoning

The average in 5 years will be  $17 + 5 = 22$ .

[1 mark]

The range will stay the same at  $26 - 17 = 9$ ,

5 years time  $31 - 22 = 9$

[1 mark]