

Name: \_\_\_\_\_

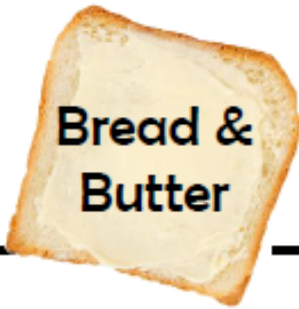
Class: \_\_\_\_\_

Teacher: \_\_\_\_\_

Year 8

Term 1

Numeracy Homework Booklet



Week 1

1) Add 4.62 to 14.7.

2) Subtract 4.62 from 14.7.

3) What is 75% of £180?

4) How many minutes are there between 14:43 and 16:29?

5) 4.3 m = \_\_\_\_ cm

6)  $0.4 \times 9$

7) Calculate  $\frac{2}{7}$  of £35.

8)  $284 \times 67$

9) What is 5 cubed?

\_\_\_\_ out of 9

# Week 1

Ysgol y Creuddyn

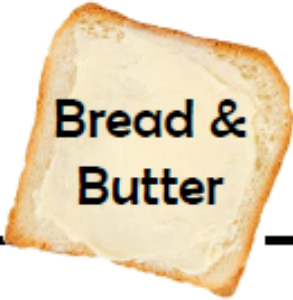
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Reasoning

The larger parcel weighs twice as much as the smaller parcel. Together, the two parcels weigh 1200 grams. Calculate the weight of each individual parcel.




**Bread &  
Butter****Week 2**

1)  $12 \times 9$

2)  $4.2 - 2.32$

3)  $840 \text{ g} = \text{ \_\_\_\_ } \text{ kg}$

4) Round off 8359 to the nearest hundred.

5) Write down 0.6 as a percentage.

6) Calculate  $\sqrt{3^2 + 4^2}$ .

7) Increase 60 by 20%.

8)  $2 \text{ m}^2 = \text{ \_\_\_\_ } \text{ cm}^2$

9) Round off 7628 to one significant figure.

# Week 2

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## Reasoning

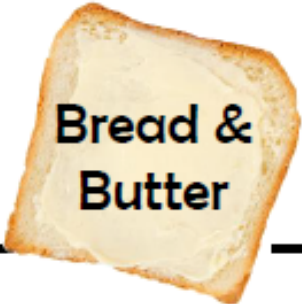
The age of each of these cats is different.

The sum of their age, in years, is 11.

The product of their age, in years, is 36.

What is the age of each cat?



**Bread &  
Butter**



**Week 3**

1)  $0.25 + 0.26 + 0.27$

2)  $9^2$

3) How many halves are in  $6\frac{1}{2}$ ?

4) Round off 26.546 to two decimal places.

5) Subtract 0.08 from 0.1.

6)  $60 \times \underline{\hspace{2cm}} = 0.6$

7)  $8 \times 6 \div (4 \times 4)$

8)  $\frac{2}{5} + \frac{3}{7}$

9)  $17 \times 13$



       out of 9

# Week 3

Ysgol y Creuddyn

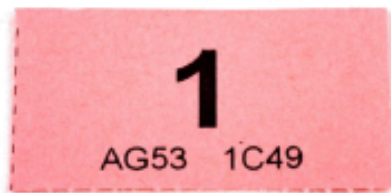
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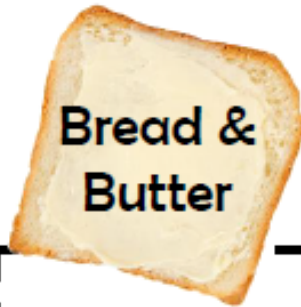
## Reasoning

In a raffle, Huw buys the first ticket and then every sixth ticket:

1, 7, 13, 19, ...



There is a total of 100 tickets in the raffle. Each ticket costs 20p. How much money has Huw spent on raffle tickets?

**Bread &  
Butter**

**Week 4**

1)  $17 \times 11$

2)  $762 - 389$

3)  $7 + 2 \times 3$

4) Decrease £90 by 10%.

5) What is the median of 9, 2, 4, 7?

6) Calculate the volume of a cube that has 4 cm sides.

7) The reciprocal of  $\frac{4}{5}$  is

8)  $4^3 - 4^2$

9)  $552 \div 23$

— out of 9



# Week 4

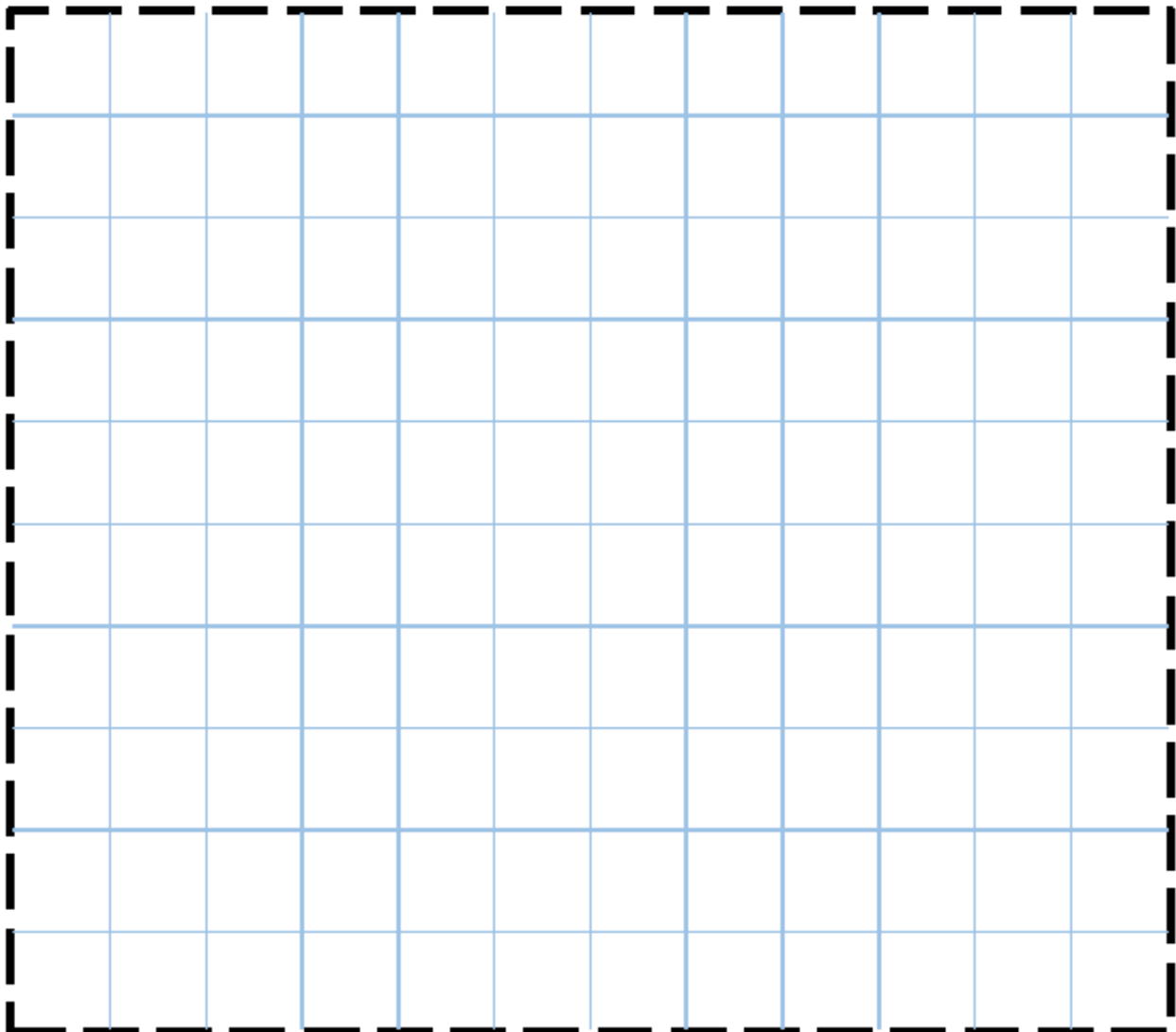
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Reasoning

Jenny lives in Bangor and has a meeting at Colwyn Bay at 11:55am. The 11:07 train from Bangor takes 23 minutes to reach Colwyn Bay. How many minutes does Jenny have to walk from the train station to her meeting?



**Bread &  
Butter****Week 5**

1) Add 2.76 to 29.

2) Subtract 2.76  
from 29.3) What is the  
mode of 8, 2, 4, 2,  
9, 8?4)  $2000 - 847$ 5) Write down the  
square root of 64.6)  $\frac{1}{5}$  minute = \_\_\_\_\_  
seconds.7) Simplify the  
fraction  $\frac{48}{72}$ .8)  $4 \times 0.3 + 6 \times 0.3$ 9) What  
percentage of 240  
is 48?\_\_\_\_\_ out of 9

# Week 5

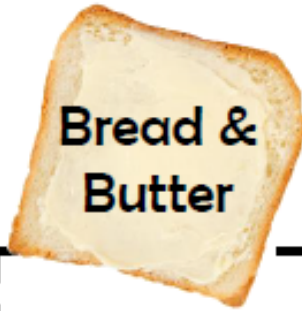
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An empty jar weighs 150 g.  
When Eleri fills the entire jar with marmalade, it weighs 400 g.  
What will be the weight of the jar when it is **half-full** with marmalade?



**Bread &  
Butter**

**Week 6**

1)  $82 + 8.2 + 0.82$

2)  $82 - 8.2 - 0.82$

3) What is 11 squared?

4) Round off 7298 to one significant figure.

5)  $3.6 \div 3$

6)  $\frac{1}{10}$  of Awel's number is 20.  
What is  $\frac{1}{5}$  of Awel's number?

7) How many minutes are there between 09:45 and 14:23?

8) Divide £80 between Ann and Bob according to the ratio 3:5.

9)  $0.4 \times 0.1$

— out of 9

# Week 6

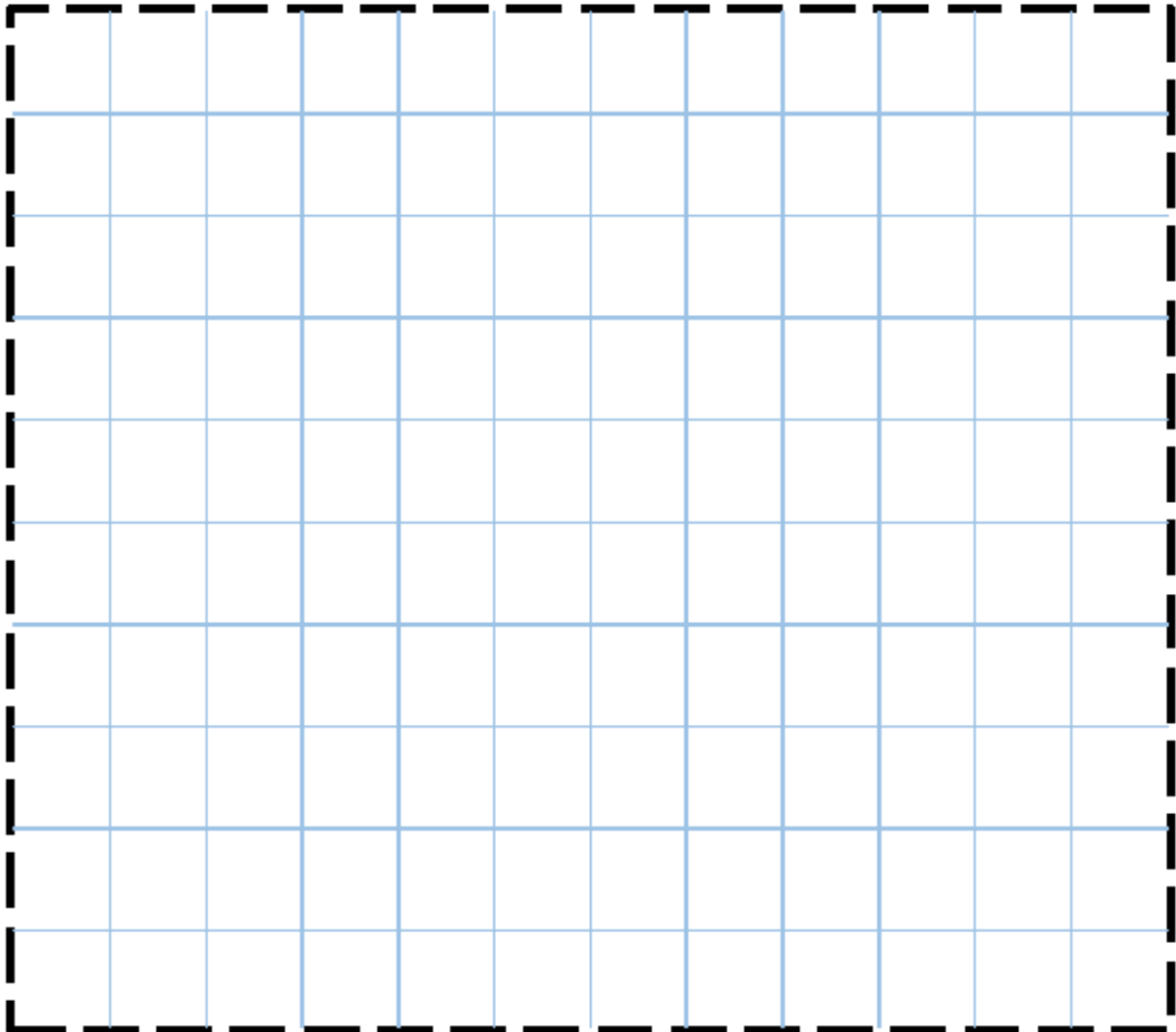
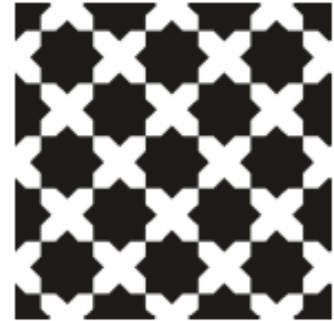
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## Reasoning

Consider the pattern shown on the right. Which statement is correct? (a) The perimeter of the black shape is biggest. (b) The perimeter of the white shape is biggest. (c) The two shapes have equal perimeter.





Bread &  
Butter



Week 7

1)  $\underline{\quad\quad} + 2.4 = 10$

2)  $\underline{\quad\quad} + 298 =$   
1000

3) Calculate  $\frac{2}{9}$  of  
£108.

4)  $8 \times 0.9$

5)  $2^5$

6)  $154 \times 23$

7)  $40.2 - 2.07$

8)  $\frac{1}{7} + \frac{3}{4}$

9)  $3\frac{1}{2}$  km =  $\underline{\quad\quad}$  cm



$\underline{\quad\quad}$  out of 9

# Week 7

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**Reasoning**

The black ink cartridge in Dewi's printer can print 800 pages if each page contains 5% black ink.



Dewi wishes to print 2,000 pages, each of which contain 10% black ink. How many black ink cartridges must Dewi buy to do this?
