

Numeracy

Homework

Pack

Year 9





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6	February 10th – February 14th	14	12
7	February 17th – February 21st	16	11
<b>Half Term</b>			
8	March 3rd – March 7th	18	14
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10	March 17th – March 21st	22	14
11	March 24th – March 28th	24	13
12	March 31st – April 4th	26	11
		<b>Total:</b>	<b>150</b>



# 2025 Calendar

## January 2025

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## February 2025

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

## March 2025

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

## April 2025

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

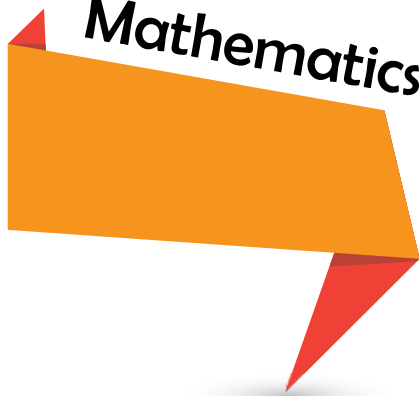
Name:



Registration  
Class:



Mathematics Level:



End of KS3 Target:



Half Term 1: Evaluation



Half Term 2: Evaluation





# Bread & Butter



Week 1

1)  $3 \times 1\frac{1}{2}$

2) Half of  $2\frac{1}{2}$

3)  $10 \times (2.1 + \underline{\quad}) = 100$

4) 5% of 140

5) Round off 8268 to two significant figures.

6)  $10^2 \times \underline{\quad} = 3000$

7) Increase £60 by 25%.

8)  $1\frac{1}{5}$  kg =  $\underline{\quad}$  g

9) Calculate the circumference of a circle with diameter 10cm. (Use  $\pi = 3.14$ .)



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# Bread & Butter



Week 2

1)  $1 : 4 = \underline{\quad} : 20$

2)  $45 \times 67$

3)  $\underline{\quad}\%$  of 300 g  
= 60 g

4)  $\underline{\quad} \div 2 + 30 =$   
100

5)  $1000 - 28.3 +$   
35.6

6) Write down the fraction that is exactly half way between 50% and 0.7.

7)  $300 - 3 \times 2^2$

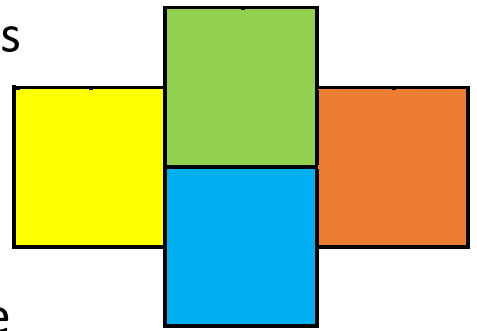
8) 20% of 80 =  
40% of  $\underline{\quad}$

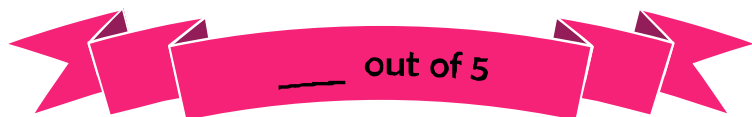
9)  $2 \frac{1}{10}$  km =  
 $\underline{\quad}$  cm



### Reasoning

The perimeter of a square is 20 cm. Four of these squares are put together to make the pattern shown on the right. (a) What is the outside perimeter of the pattern?  
(b) What is the area of the coloured squares?





# Bread & Butter



Week 3

1)  $5^3$

2) 1% of £200

3) 2.4 litres =  
\_\_\_\_\_ ml

4) Write down  
254,000 in  
standard form.

5)  $0.1 \times 0.6$

6)  $6 \div 0.2$

7) Find the mean  
of 9, 2, 4, 0, 1, 4, 5,  
3.8) What is £44  
reduced by 10%?

9)  $2^{11} \div 2^7$



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## Bread & Butter



Week 4

1)  $360 \div 24$

2) 40% of £170

3)  $30 - 4.58$

4) Write down the fraction that is exactly half way between  $\frac{1}{10}$  and  $\frac{2}{5}$ .

5) Write down 0.18 as a fraction, in its simplest form.

6)  $\left(\frac{3}{4}\right)^2$

7)  $10^3 \div (3^2 + 4^2)$

8) Given that  $\frac{2}{3} = 0.\dot{6}$ , write down the fraction that is equal to  $0.0\dot{6}$ .

9) Calculate the area of a circle with radius 3 cm. (Use  $\pi = 3.14$ .)



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# Bread & Butter



## Week 5

1)  $£50 - £14.83$

2)  $5.4 + 2.5 \times 5$

3)  $8 \text{ m} = \underline{\hspace{2cm}}$   
mm

4)  $\frac{3}{4} \times \frac{2}{3}$

5) Round off 8397 to one significant figure.

6) 15% of \$70

7)  $32.6 \times 4.7$

8) The reciprocal of  $\frac{5}{6}$  is

9)  $3^5 \times 3^8$



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# Bread & Butter



Week 6

1)  $-2 + 18 - 4$

2)  $8000 - 2468$

3) Calculate  $\frac{5}{9}$  of £108.

4) Reduce £250 by 35%.

5)  $6,350 \text{ mg} =$   
\_\_\_\_\_ g

6) Divide £45 between Ann and Sue according to the ratio 7:8.

7)  $1\frac{1}{2} \times 2\frac{2}{3}$

8) Dewi travels 28 miles in 2 hours. What is Dewi's average speed?

9)  $275 \times 93$



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# Bread & Butter



Week 7

1) Write down  $\frac{4}{5}$  as a decimal.

2)  $5 + 2 \times 4$

3) If £1 = \$1.23, what is the equivalent of £7 in dollars?

4)  $0.3 - \underline{\hspace{2cm}} = 0.18$

5)  $30 \times 0.07$

6) Round off 48.034581 to 3 decimal places.

7)  $(0.1)^2$

8)  $2\frac{2}{3} + 3\frac{1}{4}$

9) Density = Mass  $\div$  Volume so  
Mass =



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# Bread & Butter



## Week 8

1)  $26 \times 3$

2) Calculate  $\frac{2}{3}$  of 42 cm.

3) Any nonagon has \_\_\_\_\_ sides.

4) 1.4% of £200

5) Write down all the factors of 36.

6)  $7^2 + 5^2 - 3^2$

7) The reciprocal of 8 is

8) Circle the fractions that are equivalent to recurring decimals.

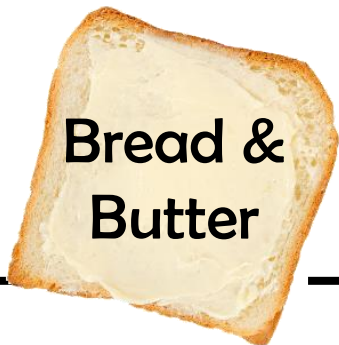
9) Which whole number has standard form  $5.3 \times 10^4$ ?

$$\frac{1}{2} \quad \frac{1}{3} \quad \frac{1}{4} \quad \frac{1}{5} \quad \frac{1}{6}$$



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**Bread & Butter**

**Week 9**

<p>1) <math>475 - 84.5</math></p>	<p>2) 30% of 150 g</p>	<p>3) Write down &lt;, &gt; or = in each space.</p> <p>30% _____ 0.03</p> <p>0.9 _____ <math>\frac{4}{5}</math></p> <p>65% _____ <math>\frac{13}{20}</math></p>
<p>4) Round off 82.82 to two significant figures.</p>	<p>5) <math>34 - (4 + 8) \times 2</math></p>	<p>6) <math>5^4</math></p>
<p>7) Calculate the circumference of a circle with radius 4 cm. (Use <math>\pi = 3.14</math>.)</p>	<p>8) <math>0.4 \times 0.2</math></p>	<p>9) Increase £40 by 0.5%.</p>

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# Bread & Butter



Week 10

1)  $49 + \underline{\hspace{2cm}} = 1006$

2)  $\underline{\hspace{2cm}} - 22.4 = 74.9$

3) Write down  $\frac{23}{5}$  as a mixed number.

4)  $3 + 3^2 + 3^3$

5) The fourth root of  $\underline{\hspace{2cm}}$  is 2

6)  $24.5 \times 0.6$

7) 2.5% of £240

8) Write down 340,000,000 in standard form.

9)  $8.52 \div 0.3$



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## Bread & Butter



Week 11

1) Calculate  $\frac{4}{7}$  of £84.

2)  $32 - 6.78$

3)  $12 \div (-2 + 5)$

4) Round off 283 to one significant figure.

5) The reciprocal of  $\frac{8}{13}$  is

6) Write down half of 5% as a decimal.

7) What is the volume of a cube with 6 cm sides?

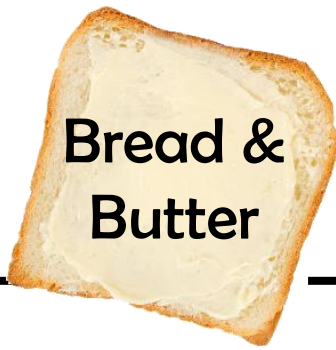
8)  $7^5 \times 7^2$

9)  $966 \div 42$



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## Bread & Butter

Week 12

<p>1) <math>86 \text{ mm} =</math> _____ m</p>	<p>2) Divide £10 between Jim and Lora according to the ratio 1:7.</p>	<p>3) 45% of £90</p>
<p>4) <math>0.3 \times 0.1</math></p>	<p>5) The reciprocal of <math>\frac{1}{12}</math> is</p>	<p>6) Write down half a million in standard form.</p>
<p>7) Write down <math>5\frac{2}{3}</math> as a top-heavy fraction.</p>	<p>8) <math>624 \times 78</math></p>	<p>9) What is a quarter of <math>16\frac{3}{4}</math>?</p>

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