

Benjamin Britten Academy of Music and Mathematics

MATHEMATICS HOMEWORK BOOKLET

Year 7 Book C SPRING TERM







How does it work?

- One homework will be set a week
- The set and due date for each homework will be written on this page
- Some homework will need completing on this booklet, others on the internet
- If you need help logging onto a website, you need to see your class teacher
- If you need help with the homework task, you must speak to your teacher before the due date

<u>CONTENTS</u>

WEEK	HOMEWORK TITLE
1	Numeracy
2	Place Value
3	Research task
4	Numeracy
5	Averages
6	Mathswatch
7	Numeracy
7 8	Numeracy Sequences
8	Sequences
8	Sequences Real life maths

Log in details:

Below are the log in instructions you will need in order to access and complete some of the homework tasks in this booklet.

<u>Mathswatch</u>

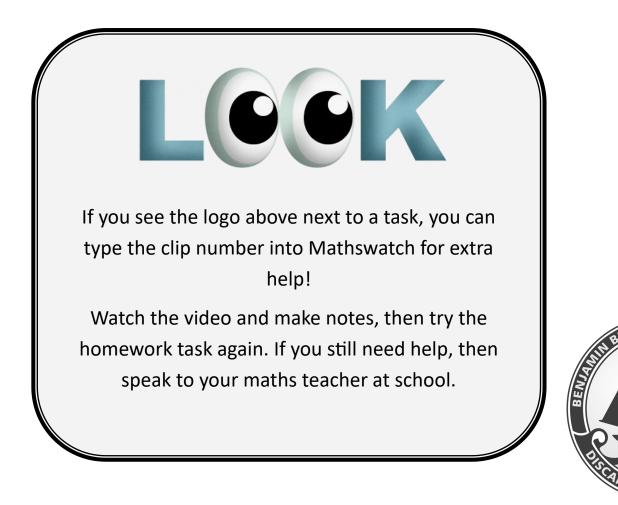
Username—firstnamelastname@benjamin Password—your DOB (format: monthDYYYY)

Completing your homework

All homework tasks need to be completed in this booklet or on a specific website.

There are also **answers** for all booklet tasks at the back of the booklet. Part of your homework task each week is to **mark your work**. Make sure you mark all your answers in another colour pen, making any corrections if you need to.

<u>Remember</u> - if you need help, you must speak to your teacher **before** the due date.





HOMEWORK 1: NUMERACY

<u>Literacy challenge —</u> <u>Missing letters!</u>

Below are 3 keywords in maths, but some of the letters are missing. Can you fill the blanks?

BR __ KET _

P_OD__T

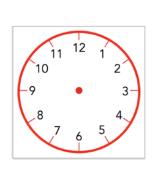
CO_RDI_A_ES

Recall and Recap

MENTAL STRATEGIES do these in your head TIMESTABLES – do these in your head

Q	Question	Answer
1	3 + 17	
2	What is double 55?	
3	112 + 10	
4	29 – 10	
5	6 = 1 + 🗆	
6	58 - 11 = 58 - 8 - □	
7	73 + 73 = □ × 73	
8	Draw hands on the clock face showing 10:10 am	
9	7 + 3	
10	□ + 46 = 100	
	Total out of 10	

Q	Question	Answer
1	6 × 7 = □	
2	24 ÷ 4 = □	
3	4 × □ = 28	
4	24 ÷ □ = 4	
5	7 × 6 = □	
6	18 ÷ 6 = □	
7	$\Box \times 4 = 4$	
8	□ ÷ 2 = 3	
9	5 × 7 = 🗆	
10	54 ÷ 6 = □	
Tot	al out of 10	



**

8231 + 8329

1216 ÷ 16

3682 + 1346

2702 + 4229

6074 + 7459

1155 ÷ 15

7501 - 7083

87 × 863

2779 + 9245

75 × 467

B1

B2

B3

B4

B5

B6

B7

B8

B9

B10

★

5 × 7

25 ÷ 5

8 - 6

12 ÷ 3

6 + 9

4 - 3

9 - 1

6 + 5

3 × 8

3 ÷ 1

A1

A2

A3

A4

A5

A6

A7

A8

A9

A10

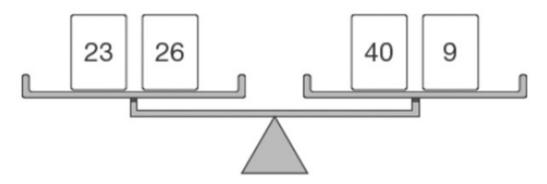


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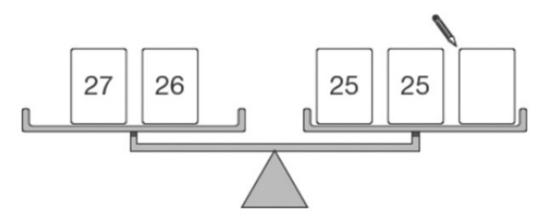
Apply your core skills to the challenge question below...

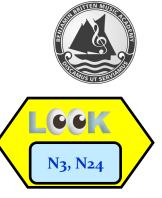
Scale balance

The numbers on these scales balance.



Write the missing number so that these scales balance.







HOMEWORK 2: PLACE VALUE

A digit's place	value tells us how mu	e skills	orth
a uigit s place		in each uight is w	orui.
	3 5	8 4	
thousands p	lace hundreds place	tens place	ones place
1) Write do	wn which digit is in the	ones place:	
1267 → 7	4235 →	3190 →	8302 →
-	wn which digit is in the	tens place:	
2) Write do			8302 → 307 →
2) Write do 2743 →	wn which digit is in the	tens place: 8320 →	307 →
2) Write do 2743 →	wn which digit is in the 5194 →	tens place: 8320 →	307 →
2) Write do 2743 → 3) Write do 6035 →	wn which digit is in the 5194 → wn which digit is in the	tens place: 8320 → hundreds place 1238 →	307 → : 839 →

Applying your skills

1) 1000 + 300 + 20 + 6 =2) 2000 + 100 + 60 + 4 =3) 4000 + 500 + 20 + 3 =4) 7000 + 100 + 30 + 9 =5) 5000 + 600 + 80 + 3 =



Apply your core skills to the challenge questions below...

Select the correct answer from a choice of 8 possibilities.

1) I am a 3 digit number.

I am greater than 350.

My hundreds digit is even.

I am not a multiple of 5.

Who am I?

782	495	328	294
684	583	835	962

2) I am not a multiple of 10.

My tens digit is a multiple of 3.

If you round me to the nearest 100, I become 500.

Who am I?

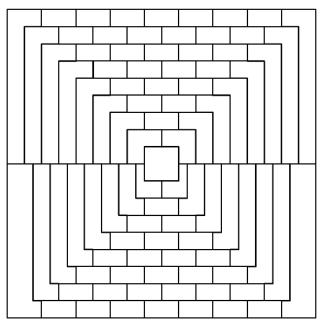
427	476	562	460
528	592	530	535



HOMEWORK 3: FOUR COLOUR THEOREM

<u>Part A</u>

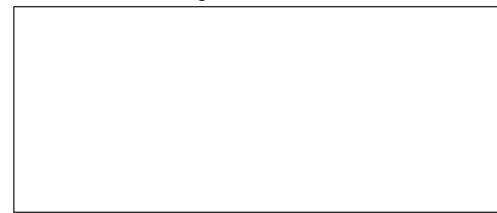
Colour in the pattern so that no areas which touch have the same colour. Try to use the least number of different colours possible.



What is the least number of different colours that are needed?

<u>Part B</u>

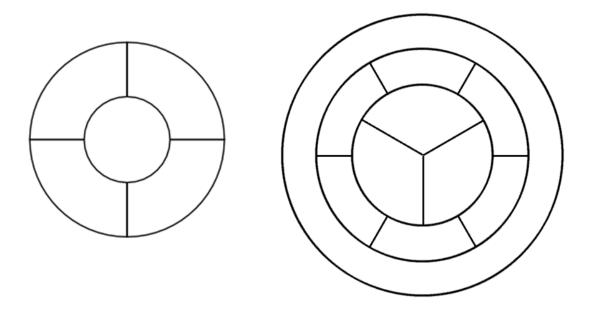
Now make your own pattern using the same rule (you can't have the same colours next to each other). Try to make a pattern which needs the greatest number of different colours.



What is the greatest number of different colours that are needed?

How many colours do you need to colour the two pictures below so that no two touching parts are the same colour? Use your own colours to test it out. Try to use the minimum number of colours possible.





Thanks to the Four Colour Theorem, we know that any picture of this kind only requires four different colours (to have no touching parts be the same colour).

RESEARCH: Use the internet or books to answer the following questions.

- Q1 a) What is cartography?
 - b) How does the Four Colour Theorem link to cartography?

Q2 Why do some people believe that the Four Colour Theorem has not been proven properly?

Q3 Who famously thought he had proved the Four Colour Theorem but found out ten years later that he had made a mistake?



<u>Literacy challenge —</u> <u>Missing letters!</u>

Below are 3 keywords in maths, but some of the letters are missing. Can you fill the blanks?

E_UA_S

TR_A_GL_

EQ_IV_LE_T

Recall and Recap

MENTAL STRATEGIES do these in your head TIMESTABLES – do these in your head

<u>Quick maths!</u> Just 5 mins...go!

A1

A2

A3

A4

A5

A6

A7

A8

A9

A10

 \star

8 ÷ 4

15 ÷ 5

9×5

8 + 5

2 + 4

1 × 1

8 + 3

7 × 8

20 ÷ 4

 1×4

Q	Question	Answer
1	□ + 3 = 5	
2	68 + 🗆 = 100	
3	What is half of 4?	
4	189 – 10	
5	161 + 🗆 = 240	
6	74 = 24 + 🗆	
7	629 – 627	
8	$9 \times 5 = 45$, so $45 \div 9 = \Box$	
9	Write 8:23 am in 24 hour clock format	
10	2:15 pm is how many minutes after 2:05 pm?	
	Total out of 10	

Q	Question	Answer
1	5 × 1 = □	
2	24 ÷ 8 = □	
3	5 × □ = 30	
4	45 ÷ □ = 9	
5	6 × 1 = □	
6	40 ÷ 4 = □	
7	□ × 1 = 10	
8	□ ÷ 3 = 9	
9	6 × 4 = □	
10	2 ÷ 2 = □	
Tot	tal out of 10	



★★

3480 - 1864

5105 - 1990

960 ÷ 15

1050 + 3770

8731 - 7375

1106 ÷ 14

347 × 25

3133 + 5739

8574 - 4025

5282 - 3863

B1

B2

B3

B4

B5

B6

B7

B8

B9

B10

Apply your core skills to the challenge questions below...

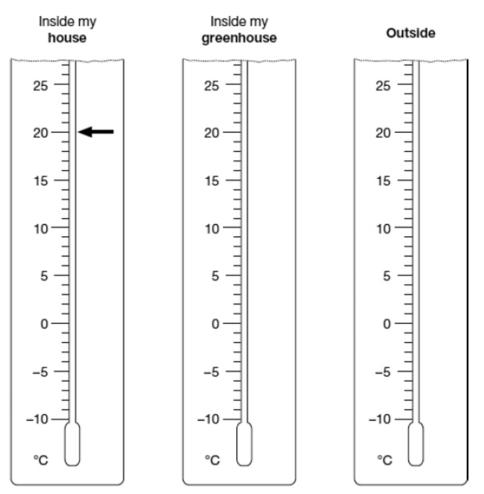
Temperature

The table shows some temperatures for one day in winter.

Place	Temperature
Inside my house	20°C
Inside my greenhouse	8°C
Outside	-2°C

Draw arrows on the diagrams below to show these temperatures.

The first one is done for you.











HW

5

HOMEWORK 5: AVERAGES

		l an	d R	ecap:	Freque	ency diagrams	
				= 1 item = 5 items	ı ıPicto	Remember a Key!	
Red	Blue	Red	Green	Blue	1	$\begin{cases} 0 \\ 1 \\ 1 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2 \\ 2$	
Blue	Red	Blue	Red	Yellow	Ney	Q	
Red	Red	Yellow	Green	Red	Blue	X	
Green	Blue	Green	Blue	Red	Grey	****	
Cross the iter	ms out as	track	nem so y	ou don tiose	Brown	****	
Complete the	table fro	om the d	ata abov	ve.	Green	?	
Colour	т	Tally		Frequency	Other	ŶŶ	
Red							
Blue					How many pe	eople have grey eyes?	
Green					How many pe	eople have brown eyes?	
Yellow							
Mhich frui	it is the r	modo]			5 people have	e green eyes, mark this on the diagram.	
Which frui	it is the r	moder					
					•		661
						/L	00
					·		
Find the	e mea	an. m	node	media	n		
Find the		an, m	node	, media		Here is a fun rhyme to	
and rang	ge:			, media		2	
Find the and rang Q1) 15,	ge:			, media		Here is a fun rhyme to help you remember the three M's and the R:	
and rang	ge:			, media		elp you remember the	
and rang Q1) 15,	ge: 7,1	5, 10), 3		 	elp you remember the	
and rang	ge: 7,1	5, 10), 3		 	help you remember the three M's and the R:	
and rang Q1) 15, Q2) 18,	ge: 7,1 4,1	5, 10 1, 18	0, 3 3, 14		 	help you remember the three M's and the R: Hey diddle diddle, the	
and rang Q1) 15,	ge: 7,1 4,1	5, 10 1, 18	0, 3 3, 14		 	help you remember the three M's and the R: Hey diddle diddle, the median's the middle,	
and rang Q1) 15, Q2) 18, Q3) 15,	ge: 7,1 4,1 21,	5, 10 1, 18 11, 1	0, 3 3, 14 5, 5		 	help you remember the three M's and the R: Hey diddle diddle, the median's the middle, You add then divide for	
and rang Q1) 15, Q2) 18,	ge: 7,1 4,1 21,	5, 10 1, 18 11, 1	0, 3 3, 14 5, 5		 	help you remember the three M's and the R: Hey diddle diddle, the median's the middle, You add then divide for the mean .	S 1, S6

Apply your core skills to the challenge questions below...



Football survey

Sam asked pupils in his class:

Do you like American football?

There were 30 pupils in his class.

The same number of pupils said 'Yes' as said 'No'.

12 pupils said 'Don't know'.

Complete the key and the rows for Yes and No in Sam's pictogram.

	Key: represents people
Yes	
No	
Don't know	\bigcirc

2 marks



HOMEWORK 6: MATHSWATCH



For this week's homework, your teacher will set you a task to complete on the website Mathswatch. The task will be based on the content you have learnt over the past half term in your maths lessons. You can use the space on the next page to do any working out if you need to.

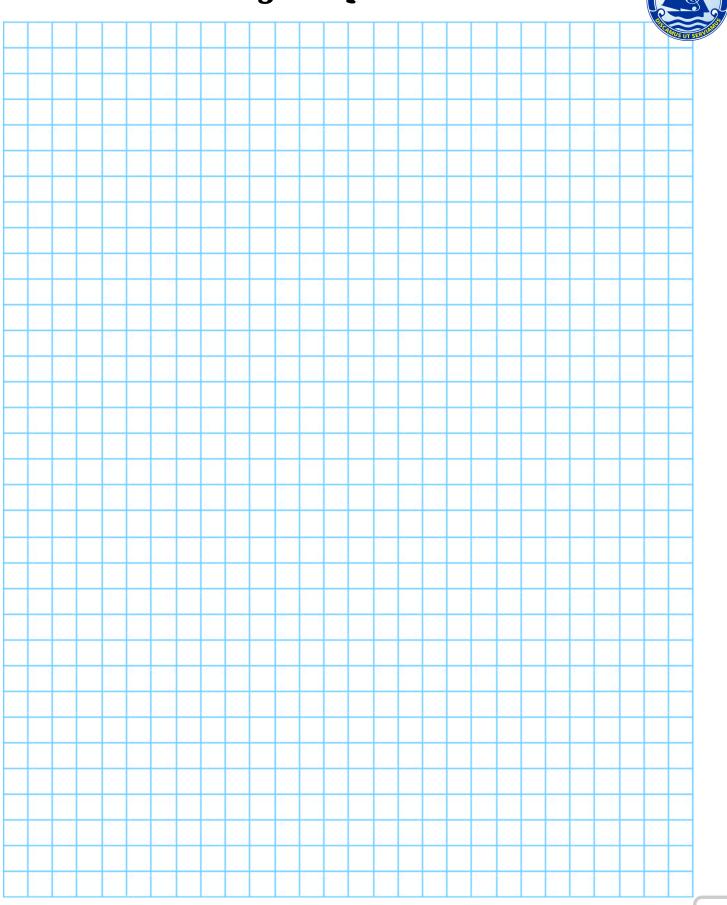
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If you have any issues logging in, you <u>must</u> speak to your class teacher as soon as possible.

Username firstnamelastname@benjamin

Password— your DOB (format: monthDYYYY)

If you need a printed copy of this homework task, make sure you speak to your class teacher <u>before</u> the due date and they will print a copy for you to complete.



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HOMEWORK 7: NUMERACY

<u>Literacy challenge –</u> <u>Missing vowels!</u>

Below are 3 keywords in maths, but the vowels are missing. Can you fill the blanks?

ME_I_N

E_TI_ATE

SUB_TI_UT_ON

Recall and Recap

MENTAL STRATEGIES - do these in your head

TIMESTABLES – do these in your head \star

3 + 1

4 ÷ 2

3 ÷ 1

7 – 1

5 × 6

6 × 2

4 ÷ 4

A1

A2

A3

A4

A5

A6

A7

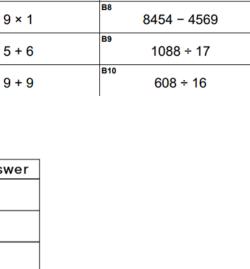
A8

A9

A10

Q	Question	Answer
1	□ + 7 = 10	
2	What is double 9?	
3	Halve 40	
4	111 + 30	
5	66 + 63	
6	17 + 9 = 17 + 3 + □	
7	3 + 468	
8	33 + 70 = 30 + 70 + □	
9	Double 58	
10	What is half of 7?	
	Total out of 10	

Q	Question	Answer
1	6 × 2 = □	
2	36 ÷ 6 = □	
3	5 × □ = 15	
4	56 ÷ □ = 7	
5	3 × 9 = □	
6	5 ÷ 5 = □	
7	□ × 9 = 9	
8	□ ÷ 6 = 3	
9	8 × 3 = □	
10	18 ÷ 3 = □	
Tot	al out of 10	



★★

4232 - 1265

5416 - 4292

272 ÷ 16

645 × 64

55 × 182

1218 ÷ 14

7229 + 4496

B1

B2

B3

B4

B5

B6

B7



Apply your core skills to the challenge question below...

Writing cheques

Write the missing numbers on these cheques.

The first one is done for you.

Pay J. Baker	Date: 30.04.08
Thirty-eight pounds and	£ 38.67
sixty-seven pence	All Bur D. H. Norris

Pay T. Jones	Date: 30.04.08
One hundred and two pounds and	£
seventy pence	H. Norris

Pay B. Torres	Date: 30.04.08
One hundred and twenty pounds and	£
seven pence	







HOMEWORK 8: SEQUENCES

Fill in the boxes to complete	Write the rules here:
the sequence and give the rule for each:	
Q1) 4, 12, 20, _, _, _,	
Q2) 4, 10, 16,,,	
Q3) 5, 9, 13,,,	
Q4) 2, 6, 10, _, _, _	
Q5) 7, 10, 13,,,	
Q6) 46, 43, 40, , , ,	

These patterns are made from sticks

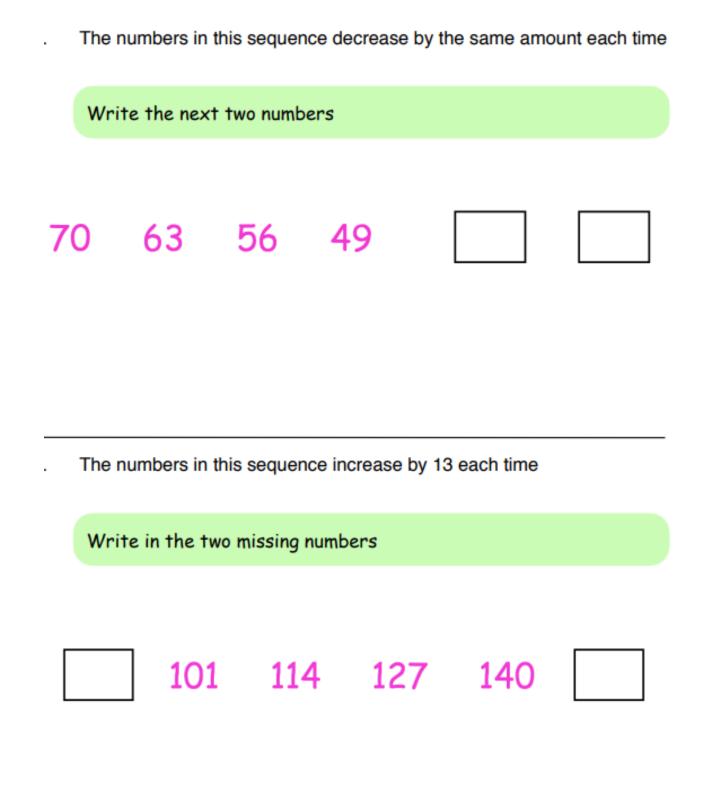




- (a) Draw pattern 4
- (b) Draw pattern 5
- (c) How many sticks will there be in pattern 6?
- (d) How many sticks will there be in pattern 10?

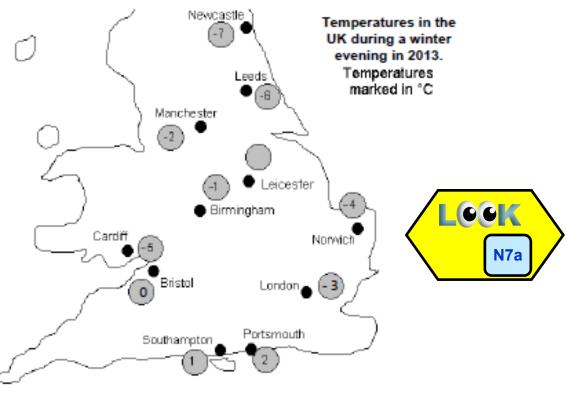


Apply your core skills to the challenge questions below...





HOMEWORK 9: REAL LIFE MATHS



Section A: Decide which city is warmer or colder.

	Which city is warmer?		Which city is colder?
Cardiff or Southampton		Southampton or Leeds	
Portsmouth or London		Bristol or Portsmouth	
Manchester or Bristol		Cardiff or Leeds	
Birmingham or Cardiff		Manchester or London	
Newcastle or Leeds		Birmingham or Bristol	

Section B: Use the temperatures above to answer the following questions.

- Which city was the coldest that evening?
- 2) Work out the difference between the highest and lowest temperature.
- The temperature in Leicester was 10°C lower than the temperature in Portsmouth. Include the temperature of Leicester on the map.
- 4) The following evening the temperature in Manchester fell by 6°C. What was the temperature in Manchester the following evening?



The table shows the minimum and maximum daily temperatures in six cities in the USA in January.

City	Minimum °C	Maximum °C		
New York	0° <i>C</i>	10°C		
Los Angeles	8°C	18°C		
Chicago	-4°C	8°C		
Houston	11°C	20°C		
Boston	-2°C	13°C		
Anchorage	-12°C	-5°C		



(a) Which city recorded the lowest minimum temperature?

(1)

(b) What is the difference in °C between Boston's minimum and maximum temperature?

_	•	_	•			-			-	•	-	_	•	-	•	-		0	C	2	
																		(1)	

(c) What is the difference in °C between Anchorage's minimum and maximum temperature?

 	 °C
	(1)



HOMEWORK 10: NUMERACY

<u>Literacy challenge –</u> <u>Missing vowels!</u>

Below are 3 keywords in maths, but some of the letters are missing. Can you fill the blanks?

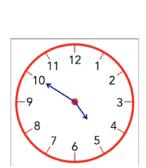
F_C_ORS

MU_TI_ES

QUA_R_LA_ER_L

Recall and Recap





MENTAL STRATEGIES do these in your head

Q	Question	Answer			
1	1 + 🗆 = 20				
2	Double 54				
3	22 + 10				
4	44 - 40				
5	7 = 2 + 🗆				
6	75 – 11 = 75 – 5 – □				
7	6 + 6 + 6 + 6 + 6 = 6 × □				
8	What is the time on the clock?	pm			
9	Double 7				
10	What is half of 44?				
Total out of 10					

\star ** A1 **B1** 6 - 1 85 × 740 A2 B2 8 - 5 8007 - 5127 A3 B3 4 + 7 3305 - 3152 **A**4 **B4** 7 - 3 2527 + 4242 A5 B5 4 × 4 23 × 941 **A6** B6 9 - 1 6113 + 9417 A7 **B**7 10 - 8 9659 + 2820 **A**8 **B**8 6 × 4 116 × 54 A9 В9 10 × 0 18 × 746 A10 B10 9 - 2 3856 - 2529

TIMESTABLES –

do these in your head

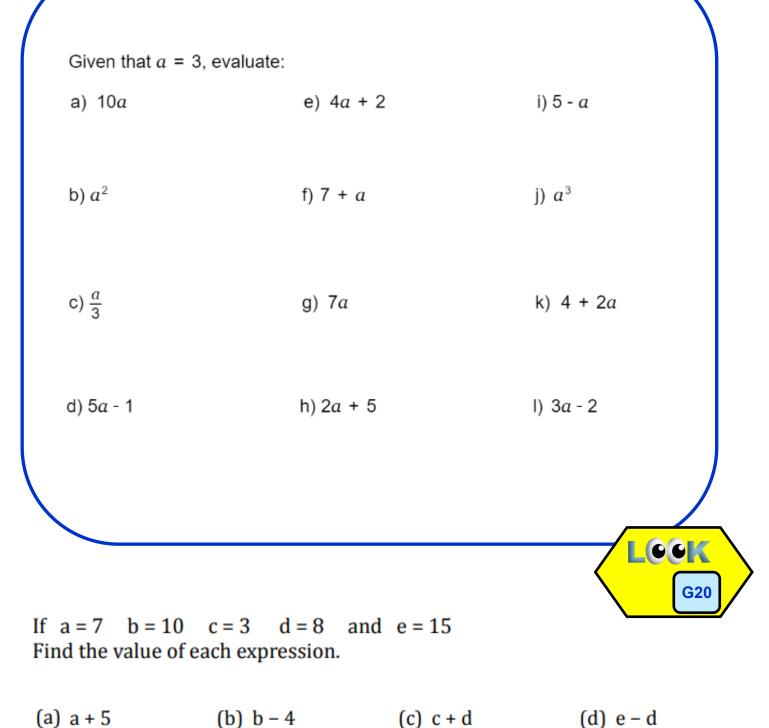
Q	Question	Answer
1	6 × 6 = □	
2	2 ÷ 2 = □	
3	6 × □ = 12	
4	40 ÷ □ = 5	
5	1 × 9 = □	
6	40 ÷ 8 = □	
7	□ × 7 = 49	
8	□ ÷ 3 = 1	
9	2 × 2 = 🗆	
10	48 ÷ 6 = □	
Tot	tal out of 10	



1.	Write in digits:										
	a) Three hundred and	fifty two	d) Nine hundred thousand								
	b) Five thousand and	eight	e) Four hundred and six thousand								
	c) Twenty six thousar	nd and fourteen	f) 1 million and five								
2.	Which of these is 8 t	enths?									
	a) 0.08	b) 0.8	c) 8.0	d) 80							
3.	Round 483 to the nearest hundred										
4.	Work out half of each of these numbers:										
	a) 9	b) 42	c) 90	d) 81							
5.	Round each of these	numbers to the near	est whole number:								
	a) 4.8	b) 2.67	c) 3.5	d) 27.405							



Recall and Recap:



(e) 2a (f) 4b (g) 3e (h) 5c

Apply your core skills to the challenge questions below...

n = 7 G8, G20 What is **n** + 4? $\mathbf{w} = 4$ What is 3w - 2? **c** = 9 What is 2c + 5?





HOMEWORK 12: MATHSWATCH



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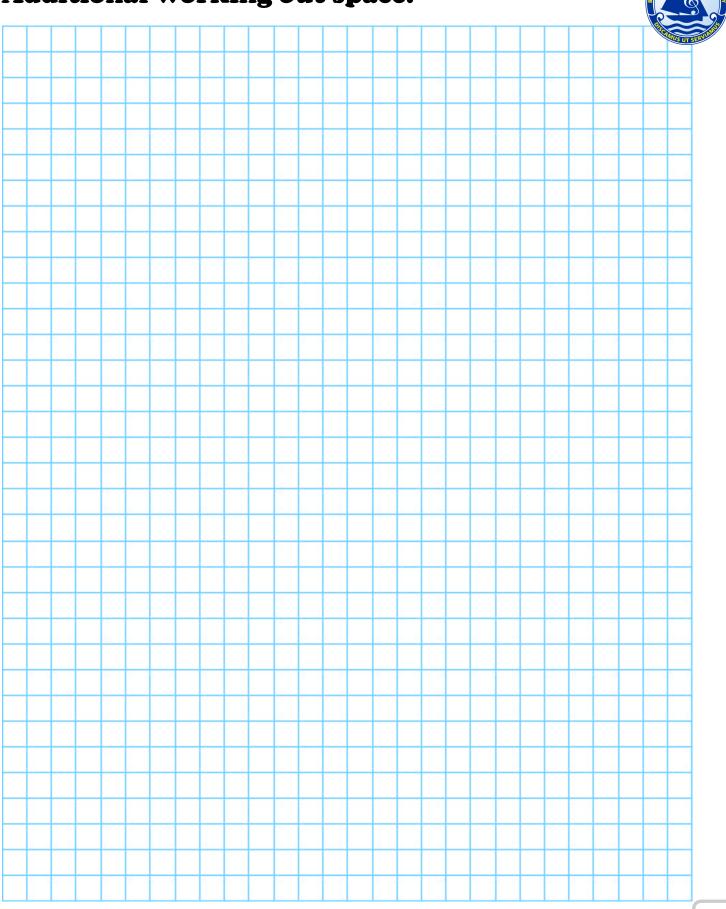
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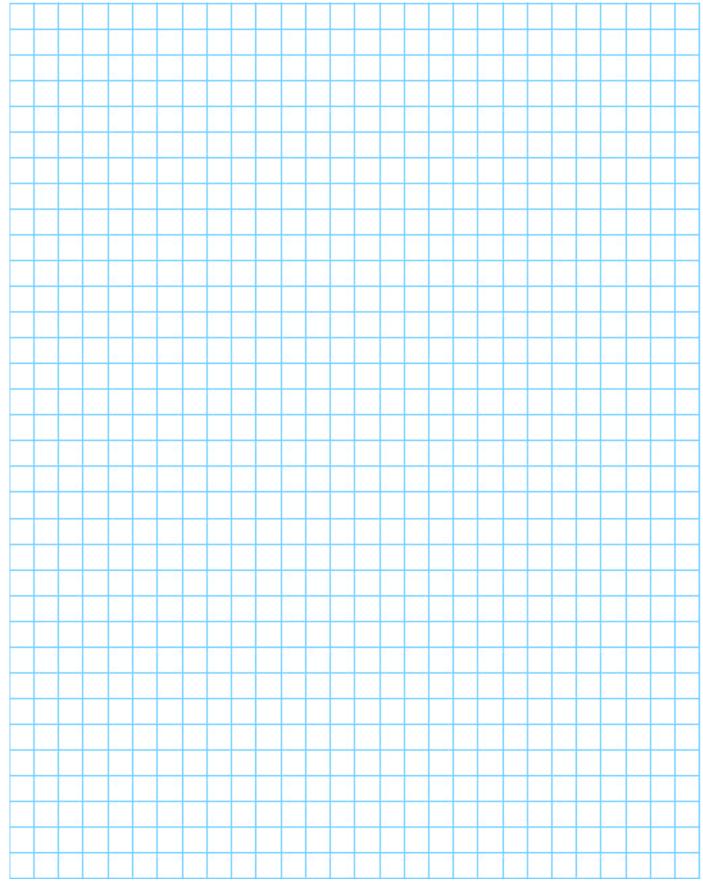
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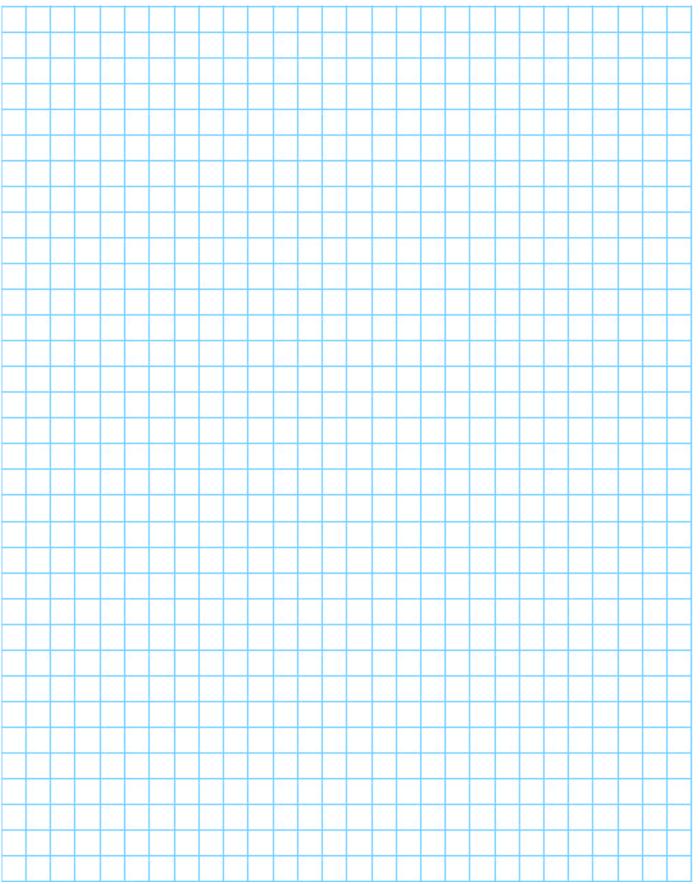


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ANSWERS-WEEK 1

24	01 = 34 + 🗆	01
10	۲ + ع	6
See clock above	Draw hands on the clock face showing 10:10 am	8
5	73 + 73 = 🗆 × 73	L
3	28 - 11 = 28 - 8 - 8 - 8	9
9	□ + ↓ = 9	G
61	56 - 10	4
155	112 + 10	3
011	S53 əlduob si tsrW	5
50	۲۱ + ۵	L
Answer	Question	ď

Answer 42	Question 6 × 7 = □	ן ס
9	54 ÷ 4 = □	2
L	4 × 🗆 = 28	З
9	54 ÷ □ = 4	4
45	□ = 9 × ∠	G
3	□ = 9 ÷ 8٢	9
L	⊅ = ⊅ × □	L
9	□ ÷ 5 = 3	8
32	□ = ∠ × S	6
6	□ = 9 ÷ †9	01

32022	810	3	01A
12024	68	54	6А
15081	88	11	8 A
418	28	8	74
LL	98	٢	9∀
13233	88	12	۶A
6934	84	4	¥4
2028	83	5	٤A
92	82	9	2A
16560	81	32	٢A
**	74	¥	



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ANSWERS-WEEK 2

- 2000 + 600 + 80 + 3 = 5683
- $4) \quad 1000 + 100 + 30 + 6 = 1300$
- 3) 4000 + 200 + 50 + 3 = 4253
- $5) \quad 5000 + 100 + 60 + 4 = 5104$
- $1) \quad 1000 + 300 + 50 + 6 = \frac{1350}{1350}$

	Γ	388 → 0	1¢58 → 1	8305 🕂 <mark>8</mark>	9532 → 9
--	---	--------------------	----------	-----------------------	----------

4) Write down which digit is in the thousands place:

836 → 8	1538 → 5	3205 🔶 <mark>2</mark>	032 → 0
--------------------	---------------------	-----------------------	---------

3) Write down which digit is in the hundreds place:

302 🔶 <mark>0</mark>	8350 → 7	2164 🗲 🖥	5143 🕂 👎
----------------------	---------------------	----------	----------

2) Write down which digit is in the tens place:

8305 → <mark>7</mark>	3190 🔶 🧿	4532 → <mark>2</mark>	۲ 🗲 ۲۵۲۲
-----------------------	----------	-----------------------	----------

1) Write down which digit is in the ones place:

232	230	265	828
097	295	924	47 7

гі тр ол І?

If you round me to the nearest 100, I become 500.

My tens digit is a multiple of 3.

2) I am not a multiple of 10.

796	832	283	(189)
967	328	564	782

гі тр ол І?

I am not a multiple of 5.

My hundreds digit is even.

l am greater than 350.

1 am a 3 digit number.

ANSWERS-WEEK 4

01A 4	4	810	1416
ea C	g	68	4649
	99	88	2788
11	١١		9298
۲ ۲۹	L	28	62
9	9	98	1326
م	13	88	4820
v∢ 72	54	84	64
E 3		83	3115
A2 2		82	9191
* 		81	¥¥ 9191

L.	5 ÷ 5 = □	01
54	□ = Þ × 9	6
57	6 = 2 ÷ 🗆	8
01	0L = L × 🗆	L
01	$\Box = 2 \div 02$	9
9	□ = L × 9	G
S	6 = □ ÷ 94	4
9	2 × □ = 30	3
3	54 ÷ 8 = □	5
S	□ = ↓ × 9	ŀ
Answer	Question	Ø

10	2:15 pm is how many minutes after 2:05 pm?	01
08:23	Write 8:23 am in 24 hour clock format	6
S	□ = 6 ÷ 54 os ,65 = 8 × 9	8
5	629 – 627	L
09	<u>1</u> 4 = 54 + □	9
62	161 + 🗆 = 240	G
621	01 - 681	4
5	4? Io that is the si th	3
32	00L = □ + 88	5
5	□ + 3 = 2	ŀ
Answer	Question	g

Indicates 8 on the second thermometer

! Inaccurate indication

Accept provided the indication is nearer to the correct integer than either of the neighbouring integers

Indicates -2 on the third thermometer

i

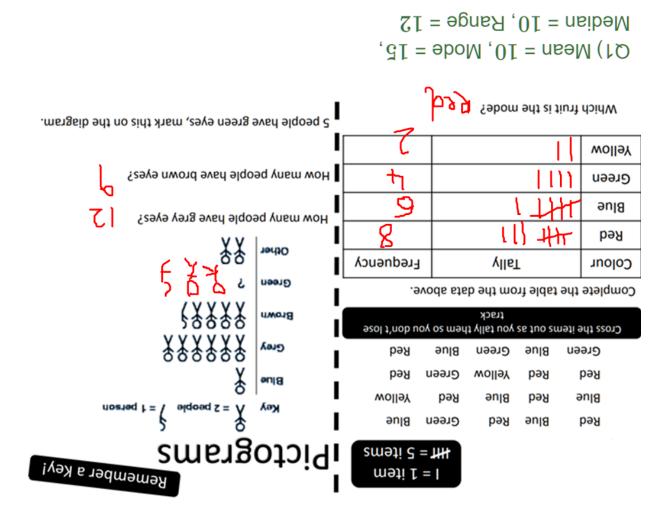
Responses for the second and third thermometers transposed but otherwise

Mark as 0, 1

τορητος

L

L



Q2) Mean = 13, Mode = 18, Median = 14, Range = 14

Q3) Mean = 13.4, Mode = 15, Median = 15, Range = 16

Q4) Mean = 12.8, Mode = 20, Median = 15, Range = 17

Q5) Mean = 15.8, Mode = 21, Nedian = 18, Range = 17

Gives the value 3 in the key

5.

completes 3 circles for each of the Yes and No rows pue

Circles not shaded, or inaccurate in size i

Accept provided the pupil's intention is clear

2

L

Shows or implies the value 9

бə 10

Completes 9 circles for one or both rows

OL

provided this number is not 4, even if the value in the key is incorrect or omitted Draws the same number of circles for each of the Yes and No rows,

(LU)

[**5**]

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64		11	
	68		6∀
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J9wenA	Question	Ø
3	0L = Z + □	٢
81	90 si tsdW	2
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141	111 + 30	4
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9	□ + ɛ + ∠ι = 6 + ∠ι	9
471	3 + 468	L
3	33 + \0 = 30 + \0 + \	8
911	85 əlduoD	6
3.5	S∑ to that is that ≥?	٥٢

38

9	□ = £ ÷ 81	10
54	□ = £ × 8	6
81	£ = 9 ÷ □	8
L I	6 = 6 × 🗆	L
L I	□ = 9 ÷ 9	9
57	□ = 6 × 8	G
8	∠ = □ ÷ 99	4
3	Sr = □ × 3	3
9	90 ÷ 92 □ 39 ÷ 92	5
12	e × 5 = □	L
Answer	Question	Ø

ANSWERS-WEEK 7

Yon-standard notation
Condone any unambiguous notation
for the first mark accept
for the first mark accept

£ 120.07

£ 102.70

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Q1) 28, 36, 44 Rule: Add 8

Q2) 22, 28, 34 Rule: Add 6

Q3) 17, 21, 25 Rule: Add ⊈

Q4) I4, I8, 22 Rule: Add 4

Q5) 16, 19, 22 Rule: Add 3

Q6) 37, 34, 31 Rule: Subtract 3



C nnotto9



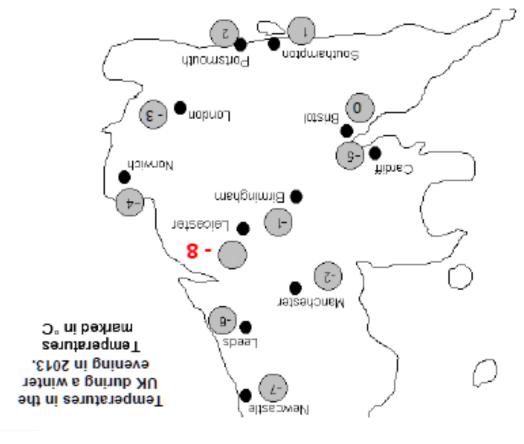
Pattern 4

(c) 13 sticks

(d) 21 sticks



The numbers in this sequence decrease by the same amount each time



Section A: Decide which city is warmer or colder.

medpnimnia	Birmingham or Bristol	
иориод	Manchester or London	
spəəŋ	Cardiff or Leeds	
Bristol	Bristol or Portsmouth	
spəəŋ	Southampton or Leeds	
сојдек; Мітећ сіћу із		

ANSWERS-WEEK 9

spəəŋ	Newcastle or Leeds
Birmingham	TibleC to medprimie
Bristol	Manchester or Bristol
Portsmouth	Portsmouth or London
Southampton	Cardiff or Southampton
si titis hoidW Which city is	

Section B: Use the temperatures above to answer the following questions.

- 1) Which city was the coldest that evening? Newcastle
- Work out the difference between the highest and lowest temperature. 9^oC.
- The temperature in Leicester was 10°C lower than the temperature in Portsmouth. Include the temperature of Leicester on the map. - 8°C
- 4) The following evening the temperature in Manchester fell by 6°C. What was the temperature in Manchester the following evening? 8°C

 The table shows the minimum and maximum daily temperatures in six cities in the USA in January.

2° ∂-	-12°C	Anchorage
2°c1	-2°C	notzoß
20°C	2°11	notsuoH
2 °8	2° 4-	οδοριής
2°81	2 °8	sələpna zoj
2°01	2 ₀0	New York
° mumixpM	o° muminiM	City

(a) Which city recorded the lowest minimum temperature?

W crows

 (b) What is the difference in °C between Boston's minimum and maximum temperature?



(c) What is the difference in °C between Anchorage's minimum and maximum (c) temperature?



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01A	L	810	1327
6 A	0	68	13428
84	54	88	6264
74	5	18	15479
9∀	8	98	12230
SA	91	58	21643
4 4	4	84	6929
٤A	11	83	163
SA	3	82	5880
٢A	S	18	62900
	¥		**

J9wenA	Question	Ø
61	J + □ = 20	ŀ
801	Double 54	2
32	55 + 10	З
4	- 40	
S	ע = 5 + ⊡	g
9	□ - 9 - 9Z = LL - 9Z	9
S	$\Box \times 9 = 9 + 9 + 9 + 9 + 9$	L
mq 02:4	What is the time on the clock?	8
14	∑ əlduoD	6
52	What is half of 44?	01

8	$\Box = 9 \div 8 $	01
7	5 × 5 = 🗆	6
3	L = £ ÷ □	8
L	67 = 7 × 🗆	L
9	□ = 8 ÷ 0Þ	9
6	□ = 6 × ↓	G
8	g = □ ÷ 0†	4
5	e × □ = 12	3
۱.	5 ÷ 5 = □	5
36	□ = 9 × 9	L
Answer	Guestion	ď

ANSWERS-WEEK 10

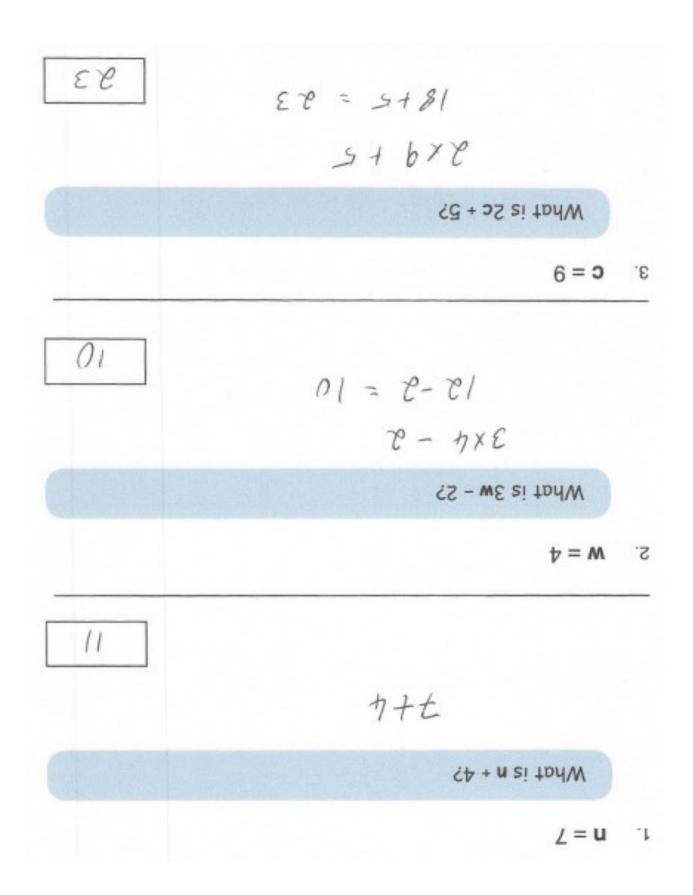
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ANSWERS-WEEK 11

SI (Y)	S₽ (6)	04 (1)	14	(ə)
∠ (p)	(c) 11	9 (q)	12	(e)

לגר 1 - גר 14 (b	y) 5 <i>4</i> + 5 ا	7 2 - <i>p</i> E (1	۷
c) $\frac{3}{a}$	a) 1a 21	K) 4 + 5ª 10	٥٢
p) a ₅ 0	0L υ + ζ (j	j) a ³ 27	
a) 10 <i>a</i> 30	e) 4a + 2 14	i) 5 - a	

Given that a = 3, evaluate:



EXTRA SUPPORT

If you need help with completing your homework, please use the Mathswatch clips in the LOOK boxes first. If you are still stuck, speak to your class teacher.

If you need to contact the Head of Maths regarding any worries or concerns, you can contact Miss Pankhurst at:

j.pankhurst@benjaminbritten.school

RESOURCES PROVIDED BY:

Numeracy Ninjas Mr Carter Maths Miss B's Resources NRich Worksheet Works 10Ticks

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