Benjamin Britten Academy of Music and Mathematics

MATHEMATICS HOMEWORK BOOKLET

Year 7 Book C SPRING TERM



NAME:



How does it work?

- One homework will be seta 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

CONTENTS

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

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.

Mathswatch

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.



If you see the logo above next to a task, you can type the clip number into Mathswatch for extra help!

Watch the video and make notes, then try the homework task again. If you still need help, then speak to your maths teacher at school.





HOMEWORK 1: NUMERACY

Recall and Recap

MENTAL STRATEGIES do these in your head

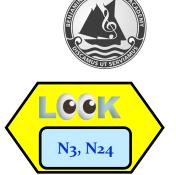
Question Q Answer 3 + 171 What is double 2 55? 3 112 + 1029 - 104 $6 = 1 + \Box$ 5 58 - 11 = 58 -6 8 - 🗆 $73 + 73 = \square \times$ 7 73 Draw hands on 8 the clock face showing 10:10 am 7 + 39 10 □ + 46 = 100 Total out of 10

TIMESTABLES do these in your head

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

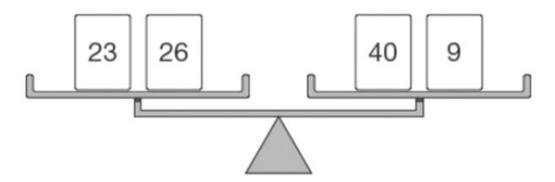


Apply your core skills to the challenge question below...

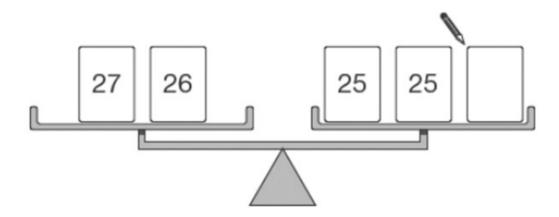


Scale balance

The numbers on these scales balance.



Write the missing number so that these scales balance.





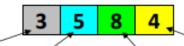
HOMEWORK 2: PLACE VALUE

Core skills...

A6, A7, A10, A17

LOCK

A digit's place value tells us how much each digit is worth.



thousands place

hundreds place

tens place

ones place

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

4235 →

3190 →

8302 >

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

5194 →

8320 >

307 →

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

3502 →

1238 →

839 >

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

8302 >

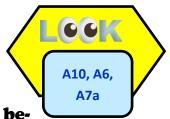
1428 →

389 →

Applying your skills

1)
$$1000 + 300 + 20 + 6 =$$

$$3) 4000 + 500 + 20 + 3 =$$





Problem solving!

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?

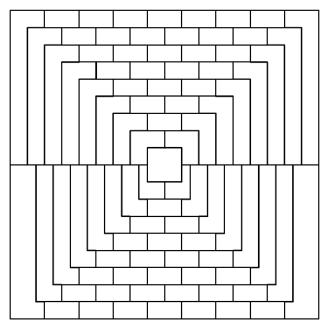
427	476	562	460
528	592	530	535



HOMEWORK 3: FOUR COLOUR THEOREM

Part A

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?

Part B

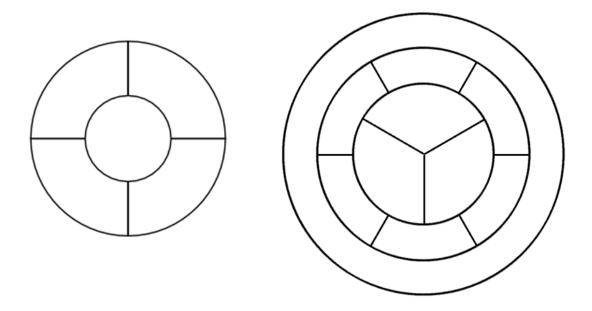
Now make your own pattern using the same rule (you can't have the same colours next to each other). Try to make a pattern which needs the greatest number of different colours.



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?



HOMEWORK 4: NUMERACY

Recall and Recap

MENTAL STRATEGIES do these in your head

Answer Q Question 1 $\Box + 3 = 5$ 2 $68 + \Box = 100$ 3 What is half of 4? 189 - 104 $161 + \Box = 240$ 5 $74 = 24 + \Box$ 6 7 629 - 627 $9 \times 5 = 45$, so 8 $45 \div 9 = \Box$ 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

TIMESTABLES – do these in your head

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	





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

Temperature

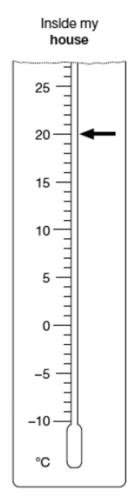
The table shows some temperatures for one day in winter.

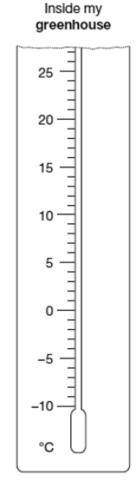
Place	Temperature
Inside my house	20°C
Inside my greenhouse	8°C
Outside	−2°C

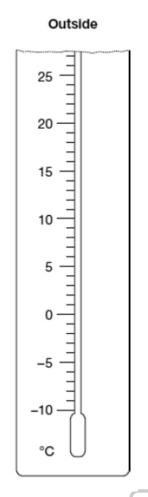


Draw arrows on the diagrams below to show these temperatures.

The first one is done for you.









HOMEWORK 5: AVERAGES

Recall and Recap:

Here is a fun rhyme to 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**.

The **mode** is the one that you see the most, And the **range** is the difference between.

Applying your skills

1	Find the range:	8 6 9 5 5 11 7
2	Find the mode:	7 5 7 4 6 7 2 4
3	Find the median:	6 7 9 12 13
4	Find the mode:	8 5 6 2 6 5 7
5	Find the median:	8 4 2 6 5 11

Problem solving!

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

If it is false please write down why.



True or False?

Averages and Range

For each statement, circle the correct response.

Tor each statement, circle the correct response.						
1	4, 2, 8, 3, 9	The range is 5	True	False		
2	5, 7, 8, 11, 12	The median is 8	True	False		
3	9, 6, 6, 3, 4	The mode is 6	True	False		
4	10, 1, 9, 4	The mean is 6	True	False		
5	5, 6, 6, 8, 8, 9	The median is 6 and 8	True	False		
6	1, 2, 3, 5, 6, 9	The median is 4	True	False		
7	2, 3, 4	The mean, mode and median are all 3	True	False		
8	5, 8, 2, 6, 3	There is no mode	True	False		
9	8, 11, 6, 4, 6	The mean and the range are the same	True	False		



HOMEWORK 6: MATHSWATCH



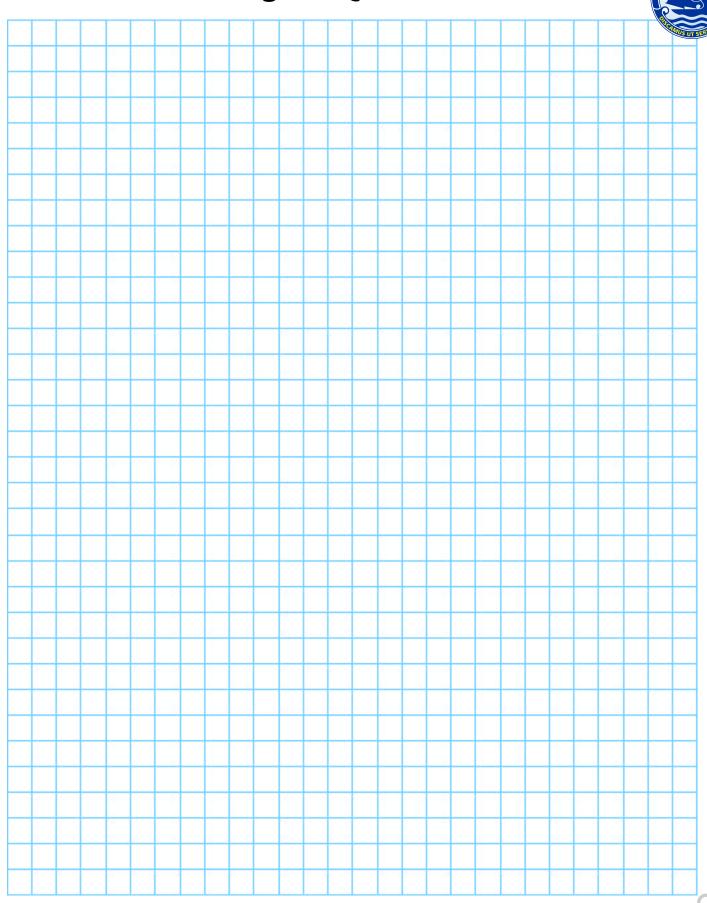
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If you need a printed copy of this homework task, make sure you speak to your class teacher <u>before</u> the due date and they will print a copy for you to complete.





HOMEWORK 7: NUMERACY

Recall and Recap

MENTAL STRATEGIES do these in your head

Question Q Answer 1 \Box + 7 = 10 What is double 2 9? Halve 40 3 111 + 304 66 + 635 17 + 9 = 17 + 36 + 🗆 3 + 4687 33 + 70 = 30 +8 70 + 🗆 9 Double 58 10 What is half of 7? Total out of 10

TIMESTABLES – do these in your head

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	tal out of 10	

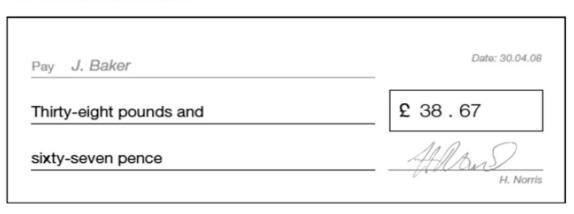
Problem solving!

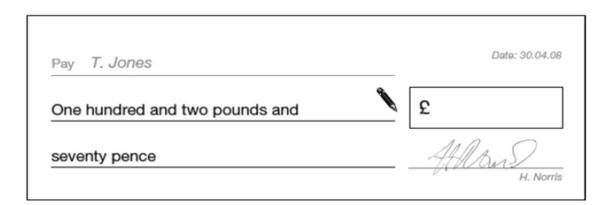
Apply your core skills to the challenge question below...

Writing cheques

Write the missing numbers on these cheques.

The first one is done for you.





Pay B. Torres	Date: 30.04.08
One hundred and twenty pounds and	£
seven pence	44Mp. 5





HOMEWORK 8: SEQUENCES

Recall and Recap:

Fill in the boxes to complete 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, , , ,

Write the rules here:

N15,

Think hard...

These patterns are made from sticks



Pattern 1 Pattern 2



Pattern 3

- (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?

Problem solving!



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

. The	numbers in	this sequer	nce decrease	by the same amo	ount each time
Wr	ite the nex	t two numb	ers		
70	63	56	49		

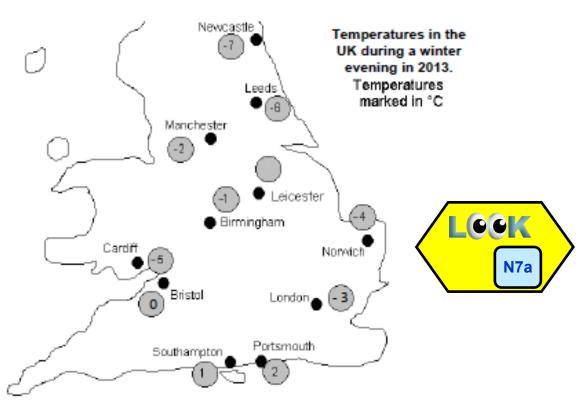
. The numbers in this sequence increase by 13 each time

Write in the two missing numbers

101	114	127	140	
J				



HOMEWORK 9: REAL LIFE MATHS



Section A: Decide which city is warmer or colder.

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

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

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

- 1) Which city was the coldest that evening?
- 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?

°C.....(1)

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

>°C (1)

HOMEWORK 10: NUMERACY

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?	3—
9	Double 7	4.
10	What is half of 44?	
•	Total out of 10	

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	



rounding to the nearest 10, 100, 1000

<u>examples</u>

Round 45 to the nearest 10

= 50

Round 573 to the nearest 100

= 600

Round 2,035 to the nearest 1,000

= 2000

exercise 1g

- 1. Round these numbers to the nearest 10:
 - a) 64

- c) 108
- e) 15

g) 775

b) 92

- d) 203
- f) 596

h) 1025

- 2. Round these numbers to the nearest 100:
 - a) 556

c) 76

- e) 3045
- g) 14,250

b) 289

- d) 1450
- f) 56,980
- h) 7,500
- 3. True or false: 426 rounded to the nearest hundred is 500
- 4. True or false: 91 rounded to to the nearest hundred is 100
- 5. True or false: 19 rounded to the nearest 100 is 0

HOMEWORK 11: SUBSTITUTION

Recall and Recap:

Given that a = 3, evaluate:

e)
$$4a + 2$$

b)
$$a^2$$

f)
$$7 + a$$

j)
$$a^3$$

c)
$$\frac{a}{3}$$

k)
$$4 + 2a$$

h)
$$2a + 5$$



If a = 7 b = 10 c = 3 d = 8 and e = 15Find the value of each expression.

(a)
$$a + 5$$

(a)
$$a + 5$$
 (b) $b - 4$ (c) $c + d$

(c)
$$c + d$$

Problem solving!



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

$$n = 7$$

G8, G20

What is n + 4?



What is 3w - 2?

c = 9

What is 2c + 5?



HOMEWORK 12: MATHSWATCH



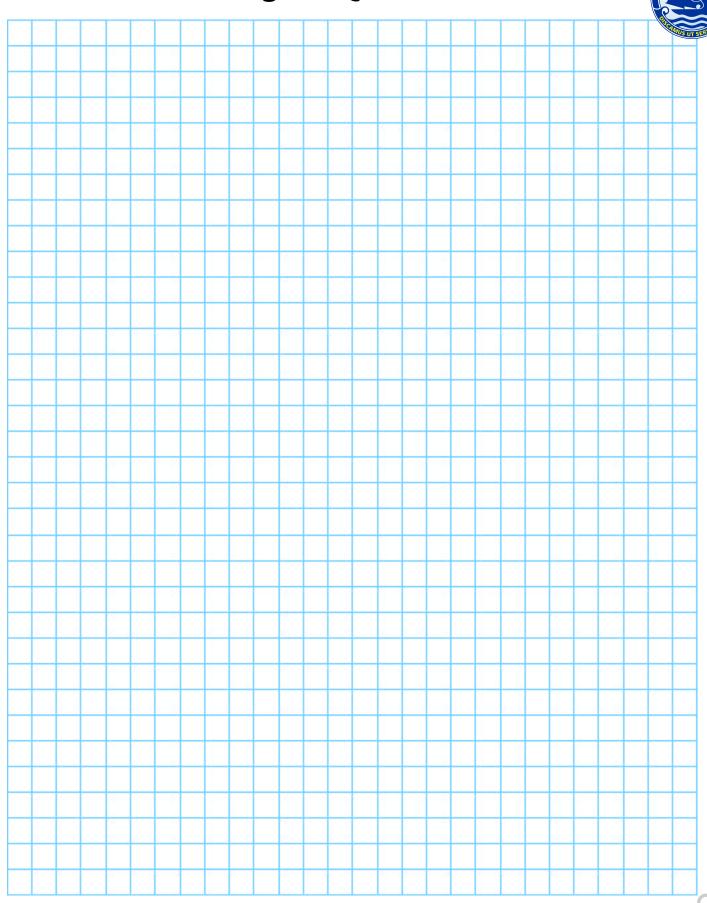
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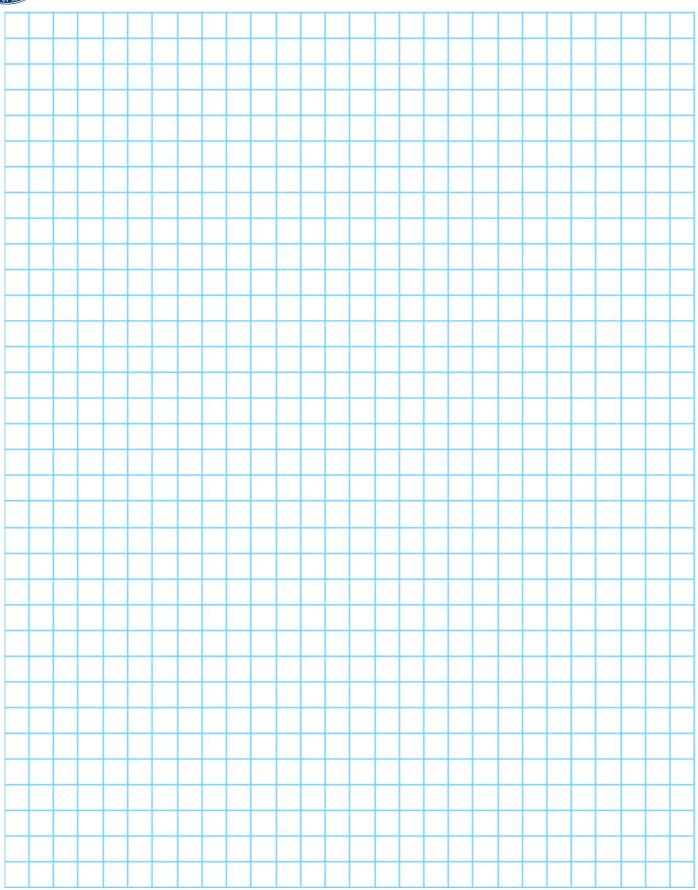
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Password— your DOB (format: monthDYYYY)

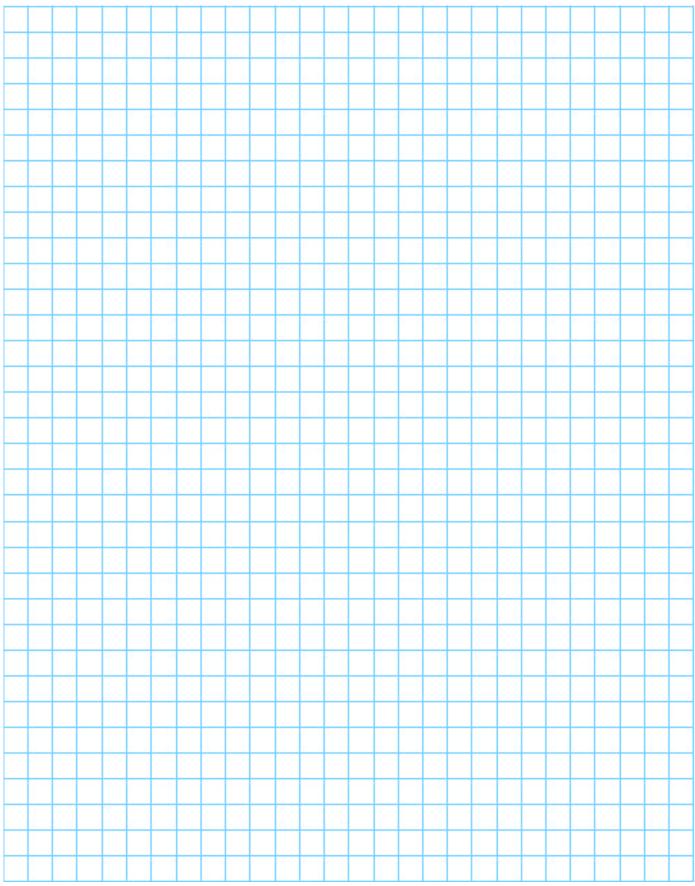
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ANSWERS—WEEK 1

1 9	00l = 9t + □	01
10	7 + 3	6
See clock above	Draw hands on the clock face showing 10:10	8
7	57 × □ = 57 + 57	L
3	□ - 8 - 85 = 11 - 85	9
g	□ + \ = 9	S
61	29 – 10	Þ
155	112 + 10	3
011	What is double 55?	2
50	71 + E	l
19wenA	Question	ď

6	□ = 9 ÷ †9	١0
32	□ = ∠ × 9	6
9	E = 2 ÷ □	8
l.	<i>p</i> = <i>p</i> × □	L
3	□ = 9 ÷ 81	9
45	□ = 9 × ∠	9
9	54 ÷ □ = 4	7
L	82 = □ × Þ	3
9	□ = ⊅ ÷ ⊅Z	2
45	□ = ∠ × 9	l
19w2nA	Question	ď



ANSWERS—WEEK 2

Write down which digit is in the ones place:

$$7567 \rightarrow 7$$

$$4235 \rightarrow 5$$

$$3190 \rightarrow 0$$

$$8302 \rightarrow 2$$

Write down which digit is in the tens place:

$$5743 \rightarrow \underline{4} \qquad 5194 \rightarrow \underline{9} \qquad 8320 \rightarrow \underline{2} \qquad 307 \rightarrow \underline{0}$$

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

$$6035 \rightarrow 0$$
 | 3502 $\rightarrow \frac{5}{2}$ | 1238 $\rightarrow \frac{2}{3}$ | 839 $\rightarrow \frac{8}{8}$

$$8 \leftarrow 688 \qquad \overline{7} \leftarrow 877 \qquad \overline{9} \leftarrow 839 \rightarrow \overline{8}$$

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

$$0.322 \rightarrow 0.00232 \rightarrow 0.0022 \rightarrow 0.00232 \rightarrow 0.0022 \rightarrow 0.00$$

$$7000 + 100 + 90 + 4 = 7194$$

$$5) \quad 5000 + 100 + 60 + 4 = 5164$$

1356 (τ = 9 + 07 + 300 + 700 + 900 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 1000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 10000 = 1000

мүю аш 15 I am not a multiple of 5. My hundreds digit is even. I am greater than 350. I am a 3 digit number. (τ

796	832	283	189
967	378	56 ₽	787

My tens digit is a multiple of 3. I am not a multiple of 10. (7

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

мүю аш 15

232	230	76 S	875
097	795	947	4 27

ANSWERS—WEEK 4

ıəwɛnA	Question	g
9	□ = l × S	l
3	□ = 8 ÷ ⊅Z	7
9	2 × □ = 30	3
g	6 = □ ÷ 9†	7
9	□ = \ × 9	g
10	□ = † ÷ 0†	9
10	01 = 1 × □	Z
72	6 = £ ÷ □	8
24	□ = † × 9	6
l l	□ = 2 ÷ 2	οι

01	2:15 pm is how many minutes after 2:05 pm?	10
62:80	Write 8:23 am in 24 hour clock format	6
g	$\Box = 6 \div 9 + 0 \circ (9 + 6 \times 6)$	8
2	Z29 - 6Z9	L
20	□ + ⊅2 = ⊅4	9
64	161 + 🗆 = 240	G
6 7 1	01 - 681	Þ
2	94 To Ilad si JadW	3
35	001 = □ + 89	2
2	9 = € + □	l
19wenA	Question	Q

L

Mark as 0, 1

COLLECT

thermometers transposed but otherwise Responses for the second and third

Indicates -2 on the third thermometer

L

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

Inaccurate indication

Indicates 8 on the second thermometer

ANSWERS—WEEK 5

1.2	3
7	а
2.0	Э
6	8
2.2	A

s	Find the median:	11 5 9 7 7 8
7	Find the mode:	Z S 9 Z 9 S 8
ε	Find the median:	81 21 6 7 9
7	Find the mode:	\$ Z Z 9 \$ Z S Z
τ	Find the range:	Z II S S 6 9 8

Averages and Range	False?
--------------------	--------

True on F

False	Frue	The mean and the range are the same	9'11'9'11'8	6
False	∋nıT	There is no mode	2,8,2,6,3	8
False	Frue	The mean, mode and median are all 3	₽,8,4	L
False	Frue	4 si nsibəm ədT	1,2,3,5,6,9	9
False	Frue	8 bns 8 si nsibəm ədT	6'8'8'9'9'5	S
False	ənıT	3 si nsəm ədT	₱'6'I'0I	Þ
False	əmT	9 si əbom ədT	δ,6,6,3,4	ε
False	ənıT	8 si nsibəm ədT	5,7,8,11,12	7
False	True	stement, circle the correct respo	4, 2, 8, 3, 9	τ

9	□ = £ ÷ 81	01
54	□ = £ × 8	6
81	£ = 9 ÷ □	8
l.	6 = 6 × □	L
l.	□ = g ÷ g	9
72	□ = 6 × £	S
8	∠ = □ ÷ 99	Þ
3	9l = □ × 9	3
9	□ = 9 ÷ 9€	2
12	□ = Z × 9	l
19wenA	Question	ď

19w2nA	Question	ď
3	01 = 7 + □	l
18	99 Alduob si 1shW	2
50	Halve 40	3
141	111 + 30	Þ
129	£9 + 99	G
9	□ + ε + ۲۱ = 6 + ۲۱	9
124	3 + 4 68	L
3	33 + 70 = 30 + 70 + □	8
911	Double 58	6
3.5	Yhat si half of 7?	١٥

Non-standard notation
 Condone any unambiguous notation
 eg, for the first mark accept
 £ 102 = 70

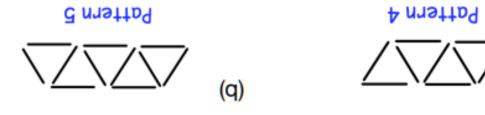
£ 120.07

£ 102.70

Rule: Subtract 3
15,34,31
ϵ bbA :əluЯ
Q5) 16, 19, 22
₽ bbA :9luЯ
Q4) 14, 18, 22
₽ bbA :9luЯ
32,12,71 (60
∂ bbA :9luЯ
48, 22, 22 (20
8 bbA :9luR
Q1) 28, 36, 44

(d) 21 sticks

(c) 13 sticks



Write the next two numbers

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

58 PH 67 99 E9 01

The numbers in this sequence increase by 13 each time

snadmun gnissim owt ant ni stinW

88 101 114 157 140 183

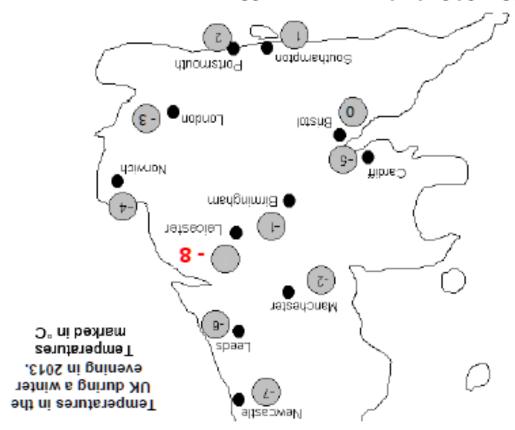
- 2°C Poline in Manchester the following evening? 8°C The following evening the temperature in Manchester fell by 6°C. What was the (7
 - Portsmouth. Include the temperature of Leicester on the map. 8°C
 - The temperature in Leicester was 10°C lower than the temperature in (6
 - Work out the difference between the highest and lowest temperature. 9°C (z
 - - Which city was the coldest that evening? Newcastle (L

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

msdpnimnia	Birmingham or Bristol
порпод	Manchester or London
греедг	Cardiff or Leeds
lotsina	Bristol or Portsmouth
греед	Southampton or Leeds
vi Litis dəidW colder?	

грәәә	Mewcastle or Leeds
Mishingham	Birmingham or Cardiff
lotsina	Manchester or Bristol
Portsmouth	Portsmouth or London
Southampton	Cardiff or Southampton
si titis AsidW Sasamana	

Section A: Decide which city is warmer or colder.



2₀G-	J°S1-	Anchorage
13°C	-2°C	notzo8
50°C	11,00	notsuoH
2.8	2∘4-	Chicago
18°C	2.8	sələgnA soJ
J ₀ C	2.0	Mew York
∂° mumix bM	ე° muminiM	(ti5)

(a) Which city recorded the lowest minimum temperature?



(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 temperature?



8	□ = 9 ÷ 8⊅	10
†	□ = Z × Z	6
3	Γ = ε ÷ □	8
L	6⊅ = ∠ × □	L
9	□ = 8 ÷ 0⊅	9
6	□ = 6 × L	9
8	g = □ ÷ 0†	7
2	2r = □ × 8	3
l.	□ = Z ÷ Z	2
36	□ = 9 × 9	l
19wenA	Question	ď

55	944? Shalf of 44?	01
41	7 əlduoQ	
mq 02:₽	What is the time on the clock?	8
g	$\square \times 9 = 9 + 9 + 9 + 9 + 9$	L
9	□ - 9 - 9\ = \l - 9\	9
g	□ + □ = ∠	
7	07 - 47	
35	22 + 10	3
108	Double 54	2
61	ı + □ = 20	l
тэwenA	Question	ď

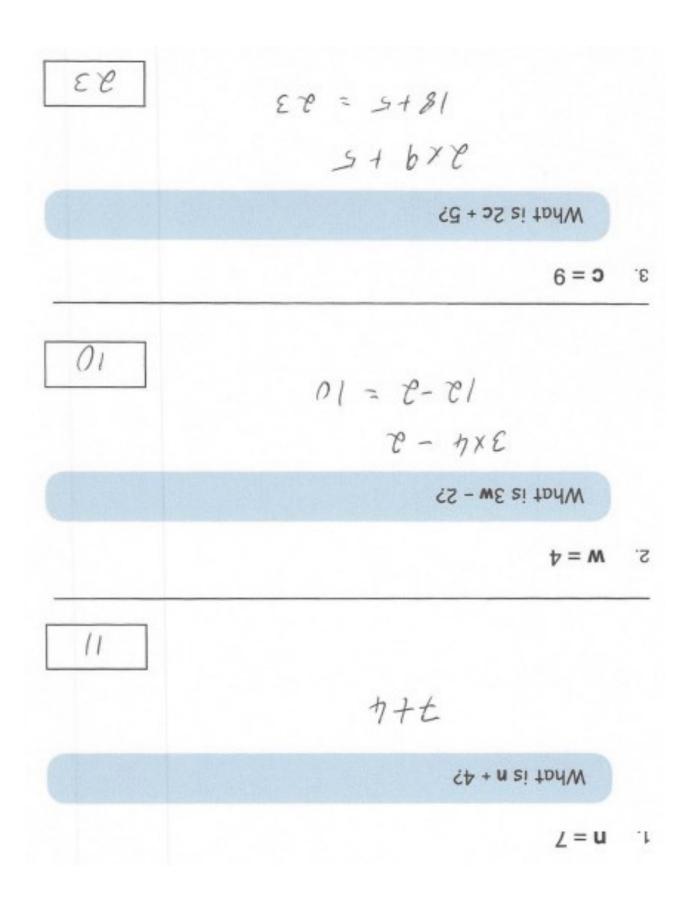
.4	True or	ruor 18 :9slst	ot ot bebr	the nearest l	si bərbnur	100 True		
3.	True or	rialse: 426 rou	ıt ot bəbnı	ne nearest hi	si bərbnı	00 False		
	68S (d	300	q) 1420	1200	086,83 (1	000,73	003,7 (d	۲'200
	9 2 2 (8	009	97 (ɔ	100	e) 3042	3000	092,41 (8	14,300
2.	Pound	грезе unmpeu	ou ayt ot s	earest 100:				
	Z6 (d	06	60S (b	500)9 969 (J	00	4) 1025	1030
	49 (s	09	s01 (o	011	6) 12 S(0	977 (8	082
٦.	Bound	ıəqunu əsəqı	e to the ne	earest 10:				

True or false: 19 rounded to the nearest 100 is 0 $\,$ True

٦.

a)
$$10a \ 30$$
 e) $4a + 2$ 14 i) $a^3 \ 27$ b) $a^2 \ 3$ 10 $a^3 \ 3$

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

