Carshalton High School for Girls
CHSG
Excellence: everywhere, every day

Stepping In

Name: ……………………………………..……………..
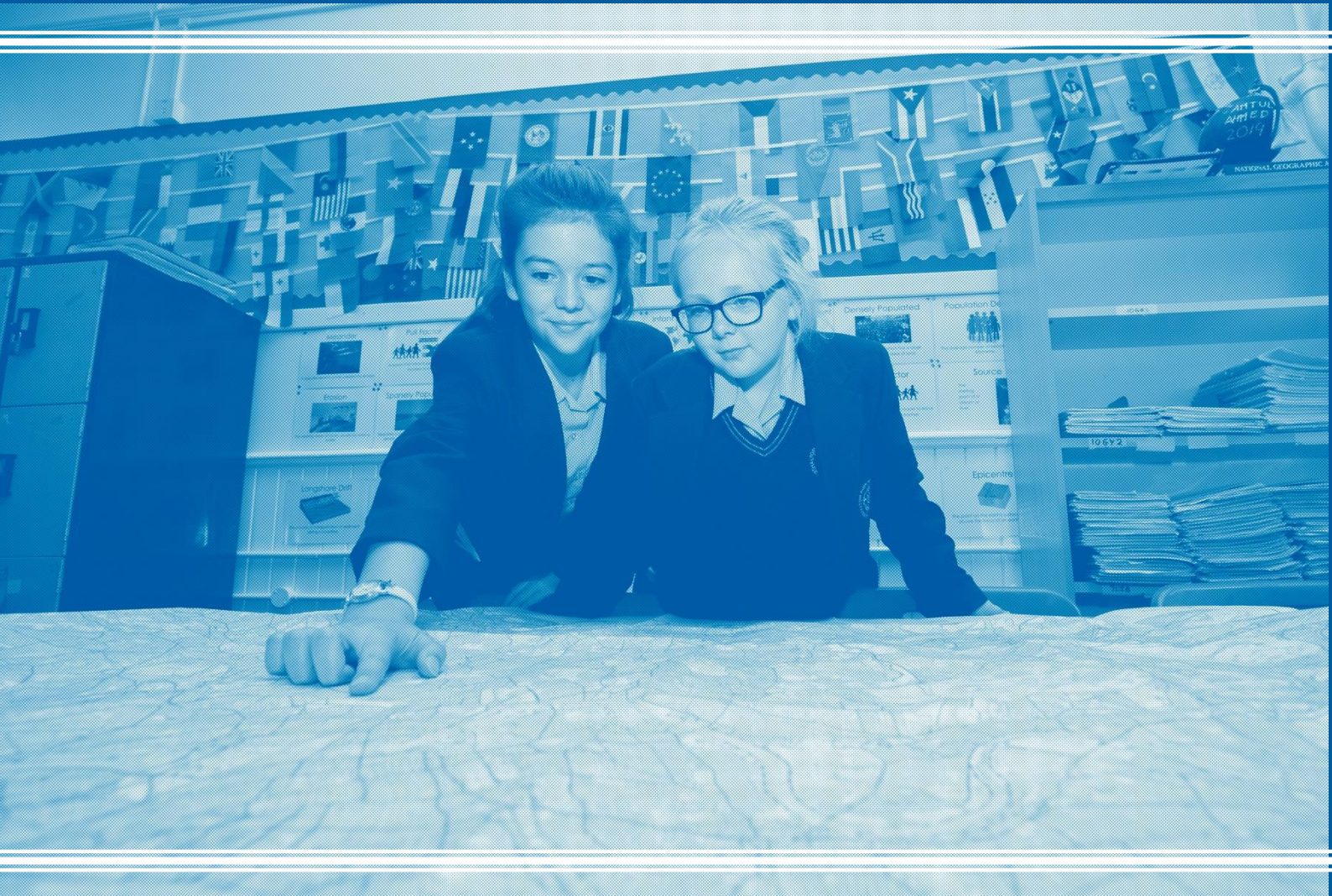
#teamchsg

Welcome to…
'Stepping In'

It is time to 'Step In' to your new adventure of secondary school. Fast forward in your mind seven years to May 2027 for a moment. You will have just finished Year 13 and your future will be lying before you. It will take ambition, commitment, courage and perseverance to reach that point. But reach it you will! We're looking forward to seeing you there!

Education, like any great journey, is made up of several stages. You, your parents/carers and your teachers have worked hard over the last seven years in your primary school and you should be rightly proud of all you have achieved. It is now time for this next stage in your education journey, and you're ready...

Secondary school is a chance to 'Step In' to something brand new. When new things are about to happen, we like to prepare for what lies ahead if we can. The activities inside this booklet give you that opportunity to prepare for secondary school life and it's made up of several elements...

1. My Life in Lockdown
2. Summer Challenge
3. House Investigation
4. Numeracy Ninjas
5. My New Routine

We hope you enjoy continuing to think, learn and challenge yourself over the holidays. We are looking forward to reading and talking with you about your booklets when you join us in September

My Life in 'Lockdown'

Now you know a little bit more about us through the Stepping Up programme, we would like to know a little bit about you and the time you have spent in lockdown. We recognise that there may have been a mixture of experiences for you, and we would really value hearing about them. There is a space below for you to write an account describing your time at home.

Characters- Who have you spent lockdown with?

Plot- What have you done throughout lockdown?

Clap for the NHS? help make PPE? Taken up a new hobby? Spent a lot more time with family?

Insert a photo of you during the lockdown period here

Opinion- What has lockdown felt like for you?

Have you had any positive experiences during lockdown? What have these been?

What has been the most challenging for you?

I have spent my lockdown with

....

....

....

....

Summer Challenge

The Summer Challenge is an opportunity to complete as many of the activities on the following page as you can!

When you've done one, tick it off and write the date that you achieved it.

You'll notice the last box says "Your Choice". You can use that box to tell us about something exciting you've done in the holidays; for example, ordered dinner in another language, or taken up a new hobby. It's really very simple.

We hope you enjoy it. Please keep as much evidence of your challenges as you can – it might be a photo or a ticket stub or a copy of a letter. We'll talk about them in September.

Summer Challenge

|			
Watch the news Date completed:	Tell someone how much they mean to you Date completed:	Do a household chore without being asked Date completed:	Read a new book Date completed:
Give five things you don't need any more to a charity shop Date completed:	Walk a journey that you would normally take by car or bus Date completed:	Write to your MP about an issue that you think is important Date completed:	Watch a black and white movie Date completed:
Learn a poem by heart Date completed:	Write a list of things you'd like to accomplish by the time you're 18 Date completed:	Cook a meal for your family Date completed:	Handwrite a letter to someone and post it Date completed:
Spend time with a family member doing something THEY enjoy Date completed:	Talk to an older relative about your family history Date completed:	Learn a new card or board game Date completed:	Keep a record of how much you spend in one week Date completed:
Grow something you can eat Date completed:	Do a whole load of laundry from start to finish Date completed:	Make something for someone else instead of buying it Date completed:	Your choice Date completed:
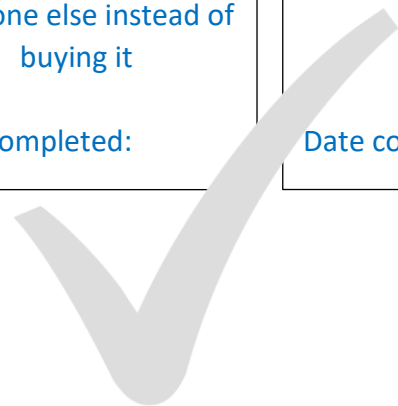
House Investigation

Our school houses are named after inspirational women who have achieved the very best in their field.

Tutor Groups	House	Colour
7PK1 & 7PK2	**Pankhurst** *after* Emmeline Pankhurst	**Red**
7RD1, 7RD2 & 7RD3	**Roddick** *after* Anita Roddick	**Green**
7RW1 & 7RW2	**Rowling** *after* JK Rowling	**Yellow**
7HL1 & 7HL2	**Holmes** *after* Dame Kelly Holmes	**Blue**

Your task is to complete some research on the person your house is named after, and on the next page present your findings.

You might write something or draw a picture and annotate it (write comments around it). Perhaps it'll be a poem or a retelling of a famous story that involved them. The blank page is yours!

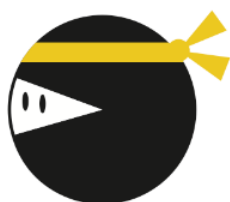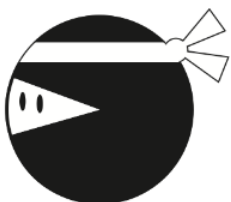# Who have you researched?

_____

Numeracy Ninjas

You have been given five different Numeracy Ninja sessions (one a day) to complete.

You will need to set a countdown timer to **five minutes** for each session.

Start with session one and once you have checked the answers you will reveal your starting belt colour.

5 minutes

The answers are in the back of this booklet. The aim is to try and improve each day to gain a new coloured belt by session five! Are you up to the challenge?

WHICH NINJA BELT ARE YOU?

Which belt does your NINJA Score earn you?

Score	Belt
0-3	WHITE
4-6	YELLOW
7-9	ORANGE
10-13	GREEN
14-17	BLUE
18-21	PURPLE
22-25	RED
26-29	BROWN
30	BLACK

NUMERαCY NINJAS

Session One

Answer as many questions as you can in 5 minutes

MENTAL STRATEGIES - do these in your head

Q	Question	Answer
1	2 + 3	
2	89 + 11	
3	What is half of 6?	
4	125 − 10	
5	177 + □ = 270	
6	53 = 23 + □	
7	805 − 804	
8	4 × 1 = 4, so 4 ÷ 4 = □	
9	Write 20:12 in 12 hour clock format	
10	9:37 pm is how many minutes after 9:08 pm?	
	Total out of 10	

TIMESTABLES – do these in your head

Q	Question	Answer
1	2 × 9 = □	
2	24 ÷ 3 = □	
3	10 × □ = 80	
4	6 ÷ □ = 3	
5	1 × 2 = □	
6	28 ÷ 7 = □	
7	□ × 6 = 54	
8	□ ÷ 2 = 5	
9	3 × 9 = □	
10	4 ÷ 4 = □	
	Total out of 10	

KEY SKILLS – you may use written calculations for these questions

Q	Question	Answer
1	61 × 31	
2	657 − 382	
3	7.2 × 94.2	
4	0.7 as a fraction	
5	46.15 + 5.08	
6	(-40) ÷ (-4)	
7	If a = 4 b = 3 and c = 1, what is the value of $3a - b^2$?	
8	3 − (-5)	
9	What is the highest common factor of 12 and 4?	
10	What is the value of 13 squared?	
	Total out of 10	
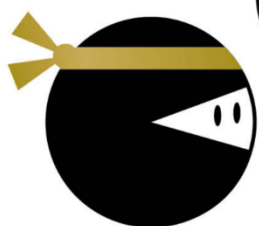
What's your NINJA Score?
Fill in your scores in the boxes and calculate it now!

MY NINJA BELT:

MENTAL STRATEGIES: ☐

TIMESTABLES: ☐

KEY SKILLS: ☐ +

NINJA SCORE: ☐

Use this space for your **KEY SKILLS** workings!

Session Two

Answer as many questions as you can in 5 minutes

MENTAL STRATEGIES -
do these in your head

Q	Question	Answer
1	□ + 6 = 10	
2	What is double 5?	
3	Halve 63	
4	26 + 30	
5	98 + 99	
6	22 + 10 = 22 + 8 + □	
7	3 + 223	
8	20 + 61 = 20 + 60 + □	
9	□ + 3 = 5	
10	□ + 2 = 20	
	Total out of 10	

TIMESTABLES –
do these in your head

Q	Question	Answer
1	9 × 5 = □	
2	10 ÷ 2 = □	
3	8 × □ = 8	
4	16 ÷ □ = 4	
5	8 × 4 = □	
6	15 ÷ 3 = □	
7	□ × 2 = 12	
8	□ ÷ 7 = 1	
9	5 × 8 = □	
10	14 ÷ 2 = □	
	Total out of 10	

KEY SKILLS – you may use written calculations for these questions

Q	Question	Answer
1	3905 ÷ 5	
2	7 + 25 ÷ 5	
3	2.013 ÷ 0.1	
4	2.26 × 1000	
5	34 − 0.74	
6	Write 56/72 in its simplest form	
7	Difference between 4 and -4	
8	Value of the dot? 0 ———•——— 10	
9	What is the lowest common multiple of 4 and 5?	
10	What is the cube root of 27?	
	Total out of 10	
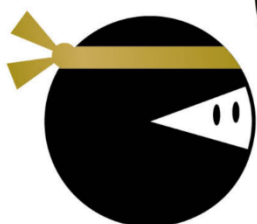
What's your NINJA Score?
Fill in your scores in the boxes and calculate it now!

MY NINJA BELT:

MENTAL STRATEGIES: ☐

TIMESTABLES: ☐

KEY SKILLS: ☐ +

NINJA SCORE: ☐

Use this space for your **KEY SKILLS** workings!

Session Three

Answer as many questions as you can in 5 minutes
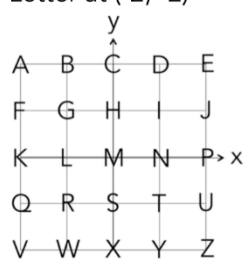
MENTAL STRATEGIES -
do these in your head

Q	Question	Answer
1	□ + 13 = 20	
2	Double 96	
3	79 + 10	
4	120 − 80	
5	8 = 7 + □	
6	13 − 10 = 13 − 3 − □	
7	85 + 85 = 85 × □	
8	What is the time on the clock?	am
9	8 + 2	
10	81 + □ = 100	
	Total out of 10	

TIMESTABLES –
do these in your head

Q	Question	Answer
1	$6 \times 6 = \square$	
2	$3 \div 3 = \square$	
3	$4 \times \square = 32$	
4	$4 \div \square = 4$	
5	$5 \times 4 = \square$	
6	$45 \div 9 = \square$	
7	$\square \times 7 = 28$	
8	$\square \div 6 = 9$	
9	$4 \times 5 = \square$	
10	$48 \div 8 = \square$	
	Total out of 10	
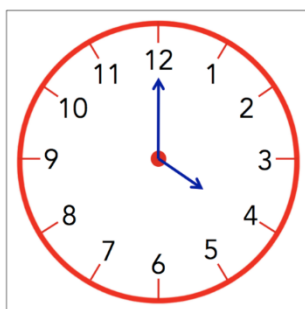
KEY SKILLS – you may use written calculations for these questions

Q	Question	Answer
1	2757 + 5432	
2	$4^2 + 2 \times 4$	
3	Write Four Thousand, Three Hundred and Twenty in digits	
4	5.94 ÷ 10	
5	1 × (-8)	
6	Round 0.7475 to 1 d.p.	
7	1 + (-9)	
8	Round 0.4559 to 2 s.f.	
9	Letter at (-2, -2)	
10	10/1 = □/4	
	Total out of 10	
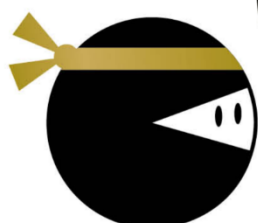
What's your NINJA Score?
Fill in your scores in the boxes and calculate it now!

MENTAL STRATEGIES: ☐

TIMESTABLES: ☐

KEY SKILLS: ☐ +

MY NINJA BELT: ☐

NINJA SCORE: ☐

Use this space for your **KEY SKILLS** workings!

Session Four

Answer as many questions as you can in 5 minutes

MENTAL STRATEGIES - do these in your head

Q	Question	Answer
1	3 + 2	
2	□ + 25 = 100	
3	What is half of 8?	
4	150 − 10	
5	191 + □ = 210	
6	97 = 60 + □	
7	135 − 132	
8	5 × 8 = 40, so 40 ÷ 5 = □	
9	Write 20:11 in 12 hour clock format	
10	07:52 is how many minutes after 07:06?	
	Total out of 10	

TIMESTABLES – do these in your head

Q	Question	Answer
1	2 × 7 = □	
2	6 ÷ 3 = □	
3	3 × □ = 21	
4	56 ÷ □ = 8	
5	10 × 9 = □	
6	30 ÷ 10 = □	
7	□ × 4 = 16	
8	□ ÷ 9 = 6	
9	10 × 8 = □	
10	90 ÷ 10 = □	
	Total out of 10	

KEY SKILLS – you may use written calculations for these questions

Q	Question	Answer
1	What is 3/9 of 54?	
2	964 × 9	
3	1444 − 982	
4	3.2 × 8.25	
5	8/10 as a decimal number	
6	82.23 + 7.27	
7	36 ÷ (-6)	
8	If a = 1 b = 3 and c = 4, what is the value of $4b^3$?	
9	10 − (-9)	
10	Is 5 a factor of 21?	
	Total out of 10	

What's your NINJA Score? Fill in your scores in the boxes and calculate it now!

MENTAL STRATEGIES:

TIMESTABLES:

KEY SKILLS: +

MY NINJA BELT:

NINJA SCORE:

Use this space for your **KEY SKILLS** workings!

Session Five

Answer as many questions as you can in 5 minutes
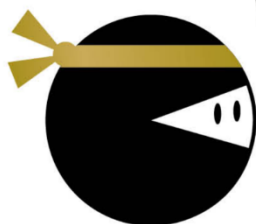
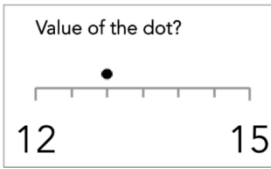**MENTAL STRATEGIES -** do these in your head

Q	Question	Answer
1	□ + 9 = 10	
2	What is double 6?	
3	Halve 24	
4	143 + 60	
5	94 + 97	
6	41 + 10 = 41 + 9 + □	
7	1 + 700	
8	31 + 47 = 30 + 40 + □	
9	What is double 56?	
10	What is half of 4?	
	Total out of 10	

TIMESTABLES – do these in your head

Q	Question	Answer
1	7 × 10 = □	
2	21 ÷ 3 = □	
3	3 × □ = 18	
4	5 ÷ □ = 1	
5	1 × 2 = □	
6	30 ÷ 3 = □	
7	□ × 2 = 8	
8	□ ÷ 3 = 6	
9	3 × 6 = □	
10	63 ÷ 7 = □	
	Total out of 10	

KEY SKILLS – you may use written calculations for these questions

Q	Question	Answer
1	What is 25% of £190?	
2	6146 ÷ 7	
3	4 + 5 × 1	
4	462.2 ÷ 5	
5	1000 × 0.64	
6	69.12 − 9.2	
7	Write 35/49 in its simplest form	
8	10 − 10	
9	Value of the dot? 12 15	
10	What is the lowest common multiple of 6 and 8?	
	Total out of 10	
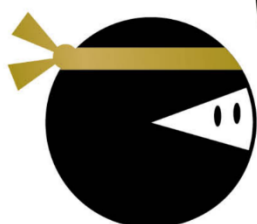
What's your NINJA Score?
Fill in your scores in the boxes and calculate it now!

MENTAL STRATEGIES:

TIMESTABLES:

KEY SKILLS: +

MY NINJA BELT:

NINJA SCORE:

Use this space for your **KEY SKILLS** workings!

My New Routine

Starting secondary school comes with a set of responsibilities and routines that you should be prepared for. Spend some time over the summer with your parents/carers thinking about the following questions. You might want to write your answers underneath to help you remember…

- When will you pack your school bag?

- How will you make sure you have everything you need with you for each day?

- What time will you need to wake up in the morning? Have you got an alarm ready?

- How will you get to school? Is it the same every day?

- Will you bring packed lunch, or school lunch or a mix? How and when will you decide?

- How will your parents/carers interact with you about your schoolwork? What questions would be helpful for them to ask you?

We look forward to seeing you in September.

Please bring this completed booklet with you; several of your teachers will be looking at it.

Answers for Numeracy Ninja sessions

The answers to all sessions are on the next pages of this booklet. Make sure you have completed the session first before checking!

Session One

Mental Strategies Answers

Q	Question	Answer
1	2 + 3	5
2	89 + 11	100
3	What is half of 6?	3
4	125 − 10	115
5	177 + □ = 270	93
6	53 = 23 + □	30
7	805 − 804	1
8	4 × 1 = 4, so 4 ÷ 4 = □	1
9	Write 20:12 in 12 hour clock format	8:12 pm
10	9:37 pm is how many minutes after 9:08 pm?	29

Timestables Answers

Q	Question	Answer
1	2 × 9 = □	18
2	24 ÷ 3 = □	8
3	10 × □ = 80	8
4	6 ÷ □ = 3	2
5	1 × 2 = □	2
6	28 ÷ 7 = □	4
7	□ × 6 = 54	9
8	□ ÷ 2 = 5	10
9	3 × 9 = □	27
10	4 ÷ 4 = □	1

Key Skills Answers

Q	Question	Answer
1	61 × 31	1891
2	657 − 382	275
3	7.2 × 94.2	678.24
4	0.7 as a fraction	7/10
5	46.15 + 5.08	51.23
6	(−40) ÷ (−4)	10
7	If $a = 4$ $b = 3$ and $c = 1$, what is the value of $3a − b^2$?	3
8	3 − (−5)	8
9	What is the highest common factor of 12 and 4?	4
10	What is the value of 13 squared?	169

Session Two

Mental Strategies Answers

Q	Question	Answer
1	$\square + 4 = 5$	1
2	$38 + 62$	100
3	What is half of 2?	1
4	$128 - 10$	118
5	$120 + \square = 210$	90
6	$124 = 90 + \square$	34
7	$610 - 606$	4
8	$1 \times 7 = 7$, so $7 \div 1 = \square$	7
9	Write 11:07 am in 24 hour clock format	11:07
10	From 3:01 am, how many minutes until 3:19 am?	18

Timestables Answers

Q	Question	Answer
1	$2 \times 9 = \square$	18
2	$30 \div 5 = \square$	6
3	$10 \times \square = 100$	10
4	$54 \div \square = 6$	9
5	$10 \times 7 = \square$	70
6	$40 \div 10 = \square$	4
7	$\square \times 5 = 15$	3
8	$\square \div 8 = 8$	64
9	$5 \times 1 = \square$	5
10	$24 \div 3 = \square$	8

Key Skills Answers

Q	Question	Answer
1	81×98	7938
2	$1596 - 837$	759
3	9.1×13.13	119.483
4	20% as a fraction	20/100 or 1/5
5	$4.98 + 15.59$	20.57
6	$(-18) \div 3$	−6
7	If $a = 7$, $b = 5$ and $c = 3$, what is the value of $3b^2$?	75
8	$(-1) - (-4)$	3
9	Is 2 a factor of 12?	Yes
10	What is the positive value of $\sqrt{64}$?	8

Session Three

Mental Strategies Answers

Q	Question	Answer
1	3 + 2	5
2	63 + 37	100
3	Halve 7	3.5
4	151 − 10	141
5	42 + □ = 60	18
6	108 = 28 + □	80
7	332 − 330	2
8	3 × 8 = 24, so 24 ÷ 8 = □	3
9	Write 14:15 in 12 hour clock format	2:15 pm
10	From 9:16 am, how many minutes until 10:04 am?	48

Timestables Answers

Q	Question	Answer
1	3 × 4 = □	12
2	24 ÷ 6 = □	4
3	7 × □ = 70	10
4	9 ÷ □ = 1	9
5	9 × 5 = □	45
6	4 ÷ 2 = □	2
7	□ × 7 = 14	2
8	□ ÷ 6 = 8	48
9	10 × 2 = □	20
10	5 ÷ 1 = □	5

Key Skills Answers

Q	Question	Answer
1	6 × 725	4350
2	7614 − 5253	2361
3	6.1 × 3	18.3
4	0.86 = □%	86
5	57 + 2.34	59.34
6	56 ÷ (−8)	−7
7	If a = 9 b = 10 and c = 5, what is the value of $2ab - c$?	175
8	(−2) − (−1)	−1
9	What is the highest common factor of 23 and 20?	1
10	What is the value of (−6) squared?	36

Session Four

Mental Strategies Answers

Q	Question	Answer
1	2 + 3	5
2	□ + 65 = 100	35
3	What is half of 7?	3.5
4	140 − 10	130
5	145 + □ = 190	45
6	81 = 40 + □	41
7	306 − 303	3
8	10 × 8 = 80, so 80 ÷ 10 = □	8
9	Write 10:21 in 12 hour clock format	10:21 am
10	1:56 am is how many minutes after 12:59 am?	57

Timestables Answers

Q	Question	Answer
1	5 × 10 = □	50
2	24 ÷ 3 = □	8
3	2 × □ = 18	9
4	9 ÷ □ = 3	3
5	8 × 2 = □	16
6	48 ÷ 8 = □	6
7	□ × 7 = 49	7
8	□ ÷ 6 = 5	30
9	7 × 8 = □	56
10	35 ÷ 7 = □	5

Key Skills Answers

Q	Question	Answer
1	8 × 625	5000
2	731 − 367	364
3	7 × 9	63
4	1.02 = □%	102
5	1.15 + 20.33	21.48
6	(−48) ÷ (−8)	6
7	If a = 3 b = 8 and c = 5, what is the value of $(2b − a)^2$?	169
8	4 − (−4)	8
9	Is 14 a factor of 33?	No
10	What is the value of 14^2?	196

Session Five

Mental Strategies Answers

Q	Question	Answer
1	4 + 1	5
2	19 + 81	100
3	Halve 2	1
4	42 - 10	32
5	124 + □ = 200	76
6	84 = 34 + □	50
7	925 - 920	5
8	7 × 8 = 56, so 56 ÷ 7 = □	8
9	Write 1:58 pm in 24 hour clock format	13:58
10	6:59 am is how many minutes after 6:19 am?	40

Timestables Answers

Q	Question	Answer
1	2 × 6 = □	12
2	8 ÷ 2 = □	4
3	1 × □ = 10	10
4	10 ÷ □ = 1	10
5	9 × 7 = □	63
6	5 ÷ 5 = □	1
7	□ × 8 = 72	9
8	□ ÷ 8 = 3	24
9	2 × 4 = □	8
10	18 ÷ 6 = □	3

Key Skills Answers

Q	Question	Answer
1	3 × 991	2973
2	16182 - 8764	7418
3	2.3 × 7.17	16.491
4	0.45 as a fraction	45/100 or 19/20
5	22.17 + 8.31	30.48
6	(-48) ÷ 6	-8
7	If a = 6 b = 3 and c = 10, what is the value of bc / a ?	5
8	(-10) - (-5)	-5
9	What is the highest common factor of 15 and 27?	3
10	What is the value of 7 squared?	49

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w w w . c h s g . o r g . u k

Girls' Learning Trust