# Thursday 9<sup>th</sup> July

Hello again Year 6,

How are you? We hope that you and your families are all keeping well and enjoying this time together.

Here is your learning for this week. In Maths we are looking at all four operations so be prepared for lots of calculations and puzzles! In English we have a range of activities - a reading comprehension, writing task, SPaG puzzle and art. PSHE is focusing on change and there are a few other fun activities hidden throughout the week too!

If you have some spare time or want to do some extra learning, you could visit <u>https://www.bbc.co.uk/bitesize</u> or <u>https://www.thenational.academy/online-</u> classroom where there are lots of lessons and activities to choose from.

As always, try to read for at least 20 minutes a day and take Accelerated Reader quizzes from home by using this link <u>Howley Grange Renaissance at home</u> and logging on as usual using your username and password. To check that the book you are reading has a quiz, you can check it using on <u>Accelerated Reader Bookfinder</u>.

Whilst you have been learning from home, you have been able to access free books online using myON which is linked to our Accelerated Reader scheme. These books can still be accessed for free but you will now need our school login details to do this. After reading a book, you can then click on the 'Take AR Quiz' option and login to your account using your usual Accelerated Reader username and password.

Our myON login details are:

Go to myon.co.uk and enter:

1. a. **School Name:** Howley Grange Primary School (type the first few letters and select from the drop-down menu)

- 2. b. Username: howley136student
  - c. Password: read

3. Click on the Sign In button, select a book, and start reading!

This message has also been sent as a parentmail and there is a pdf attached to that which explains how to choose books using myON. If you have any problems with myOn or questions about Accelerated Reader you can contact Mrs Graham using the school email.

Take care and keep smiling,

Mrs North and Mrs Graham

# The Trouble of the Tangled Trainers

The day of the race had arrived. Runners at the starting line lunged and stretched, attempting to warm up their muscles for the gruelling task to come. However, as the starting horn blared and the runners began to stride, the first row of competitors suddenly fell into a heap. Somebody had tied each one of their shoelaces to someone else's!

As the Detective Chief Inspector on the case, it is your job to find out who caused carnage at the marathon by fiddling with the runners' shoelaces. You have taken down the names and descriptions of 25 people who still managed to finish the race in record time. There are also five important clues that have been discovered along the route.

To crack the case, you will need to solve each clue and check the information with the list of names. Will you be able to catch the trainer tangler and stop them before they cause another accident?

Good luck!



### **Competitor Descriptions**

Name	Age	Hair Colour	Shoe Size	Colour of Shirt
Abby Shelton	20	brown	5	orange
Abdullah Lang	33	blonde	8	yellow
Alia Perez	43	ginger	6	purple
Allan James	52	blonde	10	orange
Amelia Knapp	39	black	3	yellow
Ariel Soto	26	brown	7	purple
Christopher Boyle	28	brown	8	purple
Eli Barnes	50	black	9	orange
Eliza Mason	45	brown	7	yellow
Enzo Brown	36	blonde	12	yellow
Gary Hurst	28	black	8	purple
Isla Bruce	20	ginger	6	purple
Jasmin Rivers	55	black	6	orange
Jonathan Shepherd	41	black	9	yellow
Jordan Nolan	32	brown	8	purple
Joseph Thomas	52	blonde	10	orange
Karly Sloan	43	blonde	4	yellow
Kaylie Howard	29	brown	8	purple
Macie Perkins	21	ginger	5	orange
Maggie Hester	40	blonde	6	purple
Marcus Cruz	28	black	11	orange
Nancy Whitfield	24	blonde	8	purple
Quinn McNell	30	ginger	10	orange
Soren Johnston	58	blonde	6	orange
Zain Bradley	21	brown	8	yellow



### Clue 1

### **Retracing Their Footsteps**

Whilst collecting statements from witnesses, you spot distinct muddy footprints running away from the starting line. Reread the witness statements you have taken. If the witness has used parenthesis correctly, give the sentence a tick. If they have not used parathensis correctly, put a cross. The parenthesis could be shown through commas, brackets or dashes. The number of ticks will reveal the trainer tangler's shoe size.

Statements from Witnesses	√ or X
One woman – aged around 35 – disappeared just before the race.	
I saw one (fairly short man fleeing) the scene.	
London, especially Greenwich, is the last place I'd expect this to happen.	
My trainers – bought brand new last week – are completely ruined.	
The lady, who I suspect is responsible had, short hair.	
My knees (although not scuffed) still ache from the fall.	
I didn't expect – anyone especially not an athelete – to do this.	
How many suspects (besides myself) will you be interviewing?	
I am positive, although I could be mistaken, that I saw the culprit.	
The woman – a rather loud lady is surely – responsible.	
The marshals, who rushed to my aid, were extremely helpful.	
I remember bumping into that man before (last Tuesday).	

There were \_\_\_\_\_\_ ticks so the trainer tangler must wear size \_\_\_\_\_\_ shoes.



twinkl



### Clue 2

### **Hedging Your Bets**

As you follow the footprints, they lead you to a hedge. Stuck in the hedge is a piece of material which has ripped from the trainer tangler's shirt. Solve the clues below, making sure to spell the answers correctly. Then, following the instructions given, find the correct letter from each word. Once you have solved all of the clues, rearrange the letters to discover the colour of the material you have found.



<b>Should, would</b> and <b>could</b> are all examples of which type of verb?	 The 5 <sup>th</sup> letter of the answer is	
 This piece of punctuation is called an	 The 1 <sup>st</sup> letter of the answer is	
The race, <b>which was held in</b> <b>London,</b> was a huge success. <b>which was held in London</b> is an example of a relative	 The 4 <sup>th</sup> letter of the answer is	
My mother <b>(who lives in Australia)</b> came to watch the race. <b>wholives in Australia</b> is surrounded by which pieces of punctuation?	 The 2 <sup>nd</sup> letter of the answer is	
Who, whom, which and that are examples of relative	 The 1 <sup>st</sup> letter of the answer is	
<b>Brackets, commas</b> and <b>dashes</b> can all be used to show what in a sentence?	 The 1 <sup>st</sup> letter of the answer is	

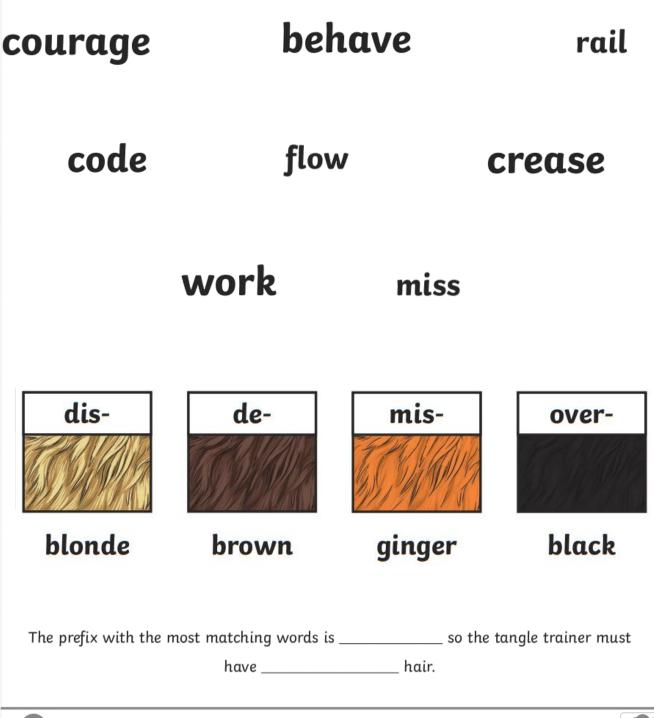
When I rearrange the letters I have found, they spell the colour \_\_\_\_\_\_ so the trainer tangler must have worn a \_\_\_\_\_\_ shirt.





### Clue 3 A Cut above the Rest

You have received a phone call from the scientists who have examined the piece of material you found in the hedge. They have found a hair stuck to the material which belongs to the culprit. Draw a line to match the word to the correct verb prefix. The prefix with the most matching words will show the colour of the trainer tangler's hair.





#### Over the Hill

Whilst examining a pair of tangled trainers, you spot a scrap of paper stuck to the sole. It's part of an entry form for the race and it is filled in but there are so many spelling mistakes! Circle the words which have been spelt incorrectly and write them correctly in the box at the bottom of the page. Then, using the table to help you, work out the age of the trainer tangler based on the number of spelling errors.

I would sinseerly apreshiate a chance to take part in the race and I garuntee that I will impress you. I am despret for a chance to develerp my running skills. As an amacher runner, I am ditermind to get into a good rythem and approach the finish line with litening speed.

Number of Errors	Age of the Trainer Tangler
1-4	Teens
5-10	20s
11-14	30s
15-20	40s
20 or more	50s

#### There were \_\_\_\_\_\_ spelling errors so the trainer tangler

**Correct Spellings** 

must be in their \_\_\_\_\_.





#### Clue 5

### An Initial Idea

You had almost given up hope when the final piece of evidence blew right past your feet – a ripped piece of the culprit's name tag. You chase it down the street, trying to make out the first letter of their name. By following the path of correctly spelt words, you will catch a glimpse of the trainer tangler's initial before the name tag blows down a grid.

Start									
yacht	queue	foriegn	haras	soldjer	amerteur	que	yocht	qeueu	quewe
qeueu	foreign	harras	suldier	catigory	amature	anshent	lighterning	acompany	accumpany
forren	harass	soldier	category	amateur	ancient	anshunt	ecsellent	excelent	leisure
harrass	soldure	catergry	amacher	aincient	definite	relavent	litening	harras	bruize
catergory	briuse	orkward	acheeve	ocupie	occupy	varierty	lightnink	broose	veriety
niusance	brooze	acheive	achieve	embarrass	muscle	harrass	dicsionary	catergory	occur
shulder	ryhme	owkward	awkward	vehickle	vegitable	yocht	dictionery	catigory	category
shoulder	rhyme	nuisance	bruise	vehical	vegeteble	lighterning	familier	categorry	dictionary
system	rime	shulder	apparant	vehickal	vegitabul	ocur	familyer	fermiliar	languige
twelfth	vehicle	awkwerd	stumach	vehecle	vegitebul	ockur	eqquip	equipp	ekwip
	A, B or C	D, E or F	G, H or I	J, K or L	M, N or O	P, Q or R	S, T or U	V, W or X	Y or Z

The first letter of the trainer tangler's name must be \_\_\_\_\_\_.

The marathon trainer tangler was \_\_\_\_\_





#### Maths Activity 4a - Ten in ten

1. 70 + 329 + 421 =

2. 25% of 12 minutes =

3. What is six squared added to three cubed?

4. How many seconds are there in 8.25 minutes?

5. 17 children on a school trip took an apple. 90% did not.How many children went on the school trip?

- 6. 120 ÷ 3 =
- 7. 80 x 60 =

8. How many days are there in 4 years?

9. What number comes before -34?

10. Round 45,687 to the nearest 1000.

Maths Activity - square and cube numbers

This week we are looking at the four operations of addition, subtraction, multiplication and division. We will also look at multiples, factors, prime numbers, square numbers and cube numbers.

Don't forget to use the knowledge postcard at the start of Monday's learning, which will be really helpful as a reminder of what to do.

Today the focus is square and cube numbers. Try to complete as many<sup>9</sup> questions as you can. Have fun! © Classroom Secrets Limited 2014

Remember - ten questions in ten minutes.

There's five extra challenge questions if you have spare time.

11. What is the 17<sup>th</sup> even number?

12. A theatre has 14 rows of 27 seats. How many seats does the theatre have altogether?

13. Which 3D shape amI? I have 4 vertices and all my faces are the same shape and size.

14.  $9^3 - 9^2 =$ 

15. (8 - x) + (7 x 3) = 26

### Maths Activity 4b - square and cube numbers

Recognise and use square numbers and cube numbers, and the notation for squared  $(^{2})$  and cubed  $(^{3})$ .

#### **Square Numbers**

The product of a number multiplied by itself.

Can be illustrated as a square, e.g

 $2^2 = 2$  squared =  $2 \times 2 = 4$ 



A. Complete the table.

1 <sup>2</sup>	1 × 1	1
2 <sup>2</sup>		4
3 <sup>2</sup>	3 × 3	
	4 × 4	16
5 <sup>2</sup>		
		36
	7 × 7	
8 <sup>2</sup>		
10 <sup>2</sup>		100

#### **Cube Numbers**

The product of multiplying a digit by itself three times.

Can be illustrated as a cube, e.g.

$$2^3 = 2$$
 cubed =  $2 \times 2 \times 2 = 8$ 



B. Complete the table.

1 <sup>3</sup>	1 × 1 × 1	1
2 <sup>3</sup>	2 × 2 × 2	
3 <sup>3</sup>		27
	4 × 4 × 4	64
5 <sup>3</sup>	5 × 5 × 5	
6 <sup>3</sup>	6 × 6× 6	
		343
8 <sup>3</sup>		512
	9 × 9 × 9	729
10 <sup>3</sup>		

C. Calculate the missing numbers.

a) $7^2 + 4^3 =$	b) $8^2 + 10^2 =$	c) $5^3 - 5^2 =$
d) 5 <sup>2</sup> + = 89	e) 8 <sup>2</sup> = 17	f) 3 <sup>2</sup> × 2 <sup>3</sup> =
g) 3 <sup>2</sup> + = 5 <sup>2</sup>	h) $6^3 \div 2^2 =$	i) 13 <sup>2</sup> =
j) $10^3 - 2^2 =$	k) 100 <sup>2</sup> =	l)2 = 144





Maths Activity 4c - square and cube numbers puzzles

Write each of these numbers as the sum of two squares.
 a) 80
 b) 61
 c) 104

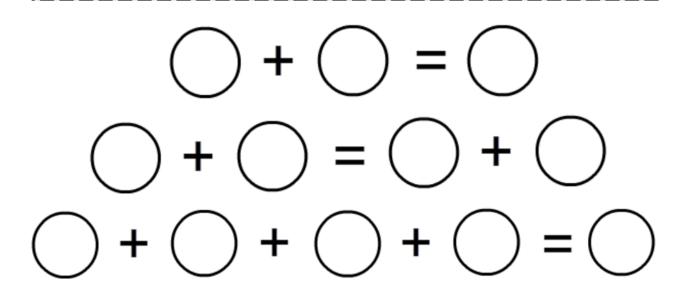
2. Write each of these numbers as the sum of three squares.
a) 21 b) 165 c) 104

3. Write each of these numbers as the difference of two squares.

a) 40 b) 77 c) 119

### square & cube numbers puzzle

Using only square and cube numbers less than or equal to 100, can you fill in the circles to make these sums true? You can only use each number once and you must use all the numbers.



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## Sudoku 4 x 4 Puzzles

Each row and column contains all the digits 1 to 4.

4			3
3	1		
2			1
		2	

4	1	3	
		1	
1			4

2	4	1	
	1		
4		3	

	1		2
2		1	4
1	4	2	
	2		

2	4	1	3
3	1		4
		4	

	4		
2			4
	1		2
4		3	1





# Sudoku 6 x 6 Puzzles

Each row and column contains all the digits 1 to 6.

	2		3	6	
			5		2
1	5				4
2		3	1	5	6
4	3		6	1	
6	1		4	2	

6	3	2	4		
4		1	6	3	
	6	3	1		
1		5		6	
5			3		4
					6

1	3	2			4
4	5	6		3	2
				1	
5	4	1	6		
2		5	3		1
3	1	4	2		

	5			4	3
6				1	5
		6		3	
		3		6	
4	6	5	3		1
3			4	5	

5	2	4		3	
			5		2
	4		6	1	5
6	5	1		2	
			2	5	3
2			4	6	1

	6		5		
	4	3		2	
				5	
6					4
					1
	3		4		5





# Sudoku 9 x 9 Puzzles

2

Each row and column contains all the digits 1 to 9.

Luci									uigii	
6	8				5	4	3	1		
		7	9		4	2	6	5		
4		5	1				7	9		
2	5	8	4				9	3		
				9		1		4		
			8	6	3			7		
7	1	3				9	4			
	9		6					8		
8						7		2		
	 								1	
3				6	5	7	2	9		
	5				8			3		
9		1	3					4		
	7			1	3	4				
2	1	6		5	4	9	3			
				8		1	5	7		
6		5	2		9	8		1		
	4	7	8			2	9	5		
		9		4	1	3	7	6		
9	6		5		1			8		
8	2				6			7		
0						6	E	<i>'</i>		
-	1	4			2	6	5			
1	5	6	2	9		7	8			
7	8	9	1			4		2		
	3			6	8	9	1	5		
6	9	3	4	2						
2		8		1		5		6		
			6	8	9	3	2	4		

7	4	6	5	2	3	9		8
			4		6			
	6	7	3					1
	2	4	6		1			5
		1	7	4	2			3
4	8				7		2	
	1		2	6		8	7	
6	7	2		3	8	1		
,			2		_		1	
6	_		2	4	5	9		
	5	4	9					3
	1		7	8		5		
3	6		4	5				
			1	6	7	3	2	
	4	7			8		5	
		8			9	4		
4	7		5		1			
		9			4	1		2
4	5	6		2				8
9	3	8	6	1				4
2	7	1	4	5	8		6	-
5	, 8	-	7		9	3	1	
1	6		3		2	-	-	5
-			5		5		8	
8		9	5	3	4	6	2	
7	4	3 5	8 2	9	6	5 8	4	9

8

1

4





### **ANSWERS** English Activity 4 - SPaG mystery

### **Clue 1: Retracing Their Footsteps**

Statements from Witnesses	$\checkmark$ or $\times$
One woman – aged around 35 – disappeared just before the race.	$\checkmark$
I saw one (fairly short man fleeing) the scene.	х
London, especially Greenwich, is the last place I'd expect this to happen.	$\checkmark$
My trainers – bought brand new last week – are completely ruined.	$\checkmark$
The lady, who I suspect is responsible had, short hair.	Х
My knees (although not scuffed) still ache from the fall.	$\checkmark$
I didn't expect – anyone especially not an athelete – to do this.	х
How many suspects (besides myself) will you be interviewing?	$\checkmark$
I am positive, although I could be mistaken, that I saw the culprit.	$\checkmark$
The woman – a rather loud lady is surely – responsible.	х
The marshals, who rushed to my aid, were extremely helpful.	$\checkmark$
I remember bumping into that man before (last Tuesday).	$\checkmark$

Answer to clue 1: There were **8** ticks so the trainer tangler must wear size **8** shoes.





### **Clue 2: Hedging Your Bets**

<b>Should, would</b> and <b>could</b> are all examples of which type of verb?	modal	The 5 <sup>th</sup> letter of the answer is	l
 This piece of punctuation is called an	ellipsis	The 1 <sup>st</sup> letter of the answer is	e
The race, <b>which was held in</b> <b>London,</b> was a huge success. <b>which was held in London</b> is an example of a relative	clause	The 4 <sup>th</sup> letter of the answer is	u
My mother <b>(who lives in Australia)</b> came to watch the race. <b>who lives in Australia</b> is surrounded by which pieces of punctuation?	brackets	The 2 <sup>nd</sup> letter of the answer is	r
<b>Who, whom, which</b> and <b>that</b> are examples of relative	pronouns	The 1 <sup>st</sup> letter of the answer is	р
<b>Brackets, commas</b> and <b>dashes</b> can all be used to show what in a sentence?	paranthesis	The 1 <sup>st</sup> letter of the answer is	р

Answer to clue 2: When I rearrange the letters I have found, they spell the colour **purple** so the trainer tangler must have worn a **purple** shirt.





#### Clue 3: A Cut above the Rest

dis-	de-	mis-	over-
courage	rail	behave	flow
miss	code		work
	crease		

Answer to clue 3: The prefix with the most matching words is **de**-, so the trainer tangler must have **brown** hair.

### Clue 4: Over the Hill

The passage of text should read:

I would **sincerely appreciate** a chance to take part in the race and I **guarantee** that I will impress you. I am **desperate** for a chance to **develop** my running skills. As an **amateur** runner, I am **determined** to get into a good **rhythm** and approach the finish line with **lightning** speed.

Answer to clue 4: There were 9 spelling errors so the trainer tangler must be in their 20s.





### Clue 5: An Initial Idea

The correct path through the grid is:

П

Start									
yacht	queue	foriegn	haras	soldjer	amerteur	que	yocht	qeueu	quewe
qeueu	foreign	harras	suldier	catigory	amature	anshent	lighterning	acompany	accumpany
forren	harass	soldier	category	amateur	ancient	anshunt	ecsellent	excelent	leisure
harrass	soldure	catergry	amacher	aincient	definite	relavent	litening	harras	bruize
catergory	briuse	orkward	acheeve	ocupie	оссиру	varierty	lightnink	broose	veriety
niusance	brooze	acheive	achieve	embarrass	muscle	harrass	dicsionary	catergory	occur
shulder	ryhme	owkward	awkward	vehickle	vegitable	yocht	dictionery	catigory	category
shoulder	rhyme	nuisance	bruise	vehical	vegeteble	lighterning	familier	categorry	dictionary
system	rime	shulder	apparant	vehickal	vegitabul	ocur	familyer	fermiliar	languige
twelfth	vehicle	awkwerd	stumach	vehecle	vegitebul	ockur	eqquip	equipp	ekwip
	A, B or C	D, E or F	G, H or I	J, K or L	M, N or O	P, Q or R	S, T or U	V, W or X	Y or Z

Answer to clue 5: The first letter of the trainer tangler's name must be A, B or C.

### The marathon sign swapper is Christopher Boyle.



#### ANSWERS Maths Activity 4a - Ten in ten

1. 70 + 329 + 421 = <mark>820</mark>

25% of 12 minutes =
 3 minutes
 3. What is six squared

added to three cubed? 63

4. How many seconds are there in 8.25 minutes? 495

 17 children on a school trip took an apple. 90% did not. How many children went on the school trip? 170

- 6.  $120 \div 3 = 40$
- 7. 80 x 60 = 4800

8. How many days are there in 4 years? 1460 or 1461 (1 leap year)
9. What number comes before -34? -35

10. Round 45,687 to the nearest 1000. 46,000

11. What is the 17<sup>th</sup> even number? <mark>34</mark>

12. A theatre has 14 rows of 27 seats. How many seats does the theatre have altogether? 378

13. Which 3D shape amI have 4 vertices and all my faces are the same shape and size.

tetrahedron

14.  $9^3 - 9^2 = 648$ 

 $15.(8 - 3) + (7 \times 3) = 26$ 



# ANSWERS Maths Activity 4b - square and cube numbers

#### A. Complete the table.

B. Complete the table.

1 <sup>2</sup>	1 × 1	1
2 <sup>2</sup>	2 × 2	4
3 <sup>2</sup>	3 × 3	9
4 <sup>2</sup>	4× 4	16
5 <sup>2</sup>	5 × 5	25
6 <sup>2</sup>	6 × 6	36
7 <sup>2</sup>	7 × 7	49
8 <sup>2</sup>	8 × 8	64
9 <sup>2</sup>	9 × 9	81
10 <sup>2</sup>	10 × 10	100

1 <sup>3</sup>	1 × 1 × 1	1
2 <sup>3</sup>	2 × 2 × 2	8
3 <sup>3</sup>	3 × 3 × 3	27
4 <sup>3</sup>	4 × 4 × 4	64
5 <sup>3</sup>	5 × 5 × 5	125
6 <sup>3</sup>	6 × 6× 6	216
7 <sup>3</sup>	7 × 7 × 7	343
8 <sup>3</sup>	8 × 8 × 8	512
9 <sup>3</sup>	9 × 9 × 9	729
10 <sup>3</sup>	10 × 10 × 10	1000

C. Calculate the missing numbers.

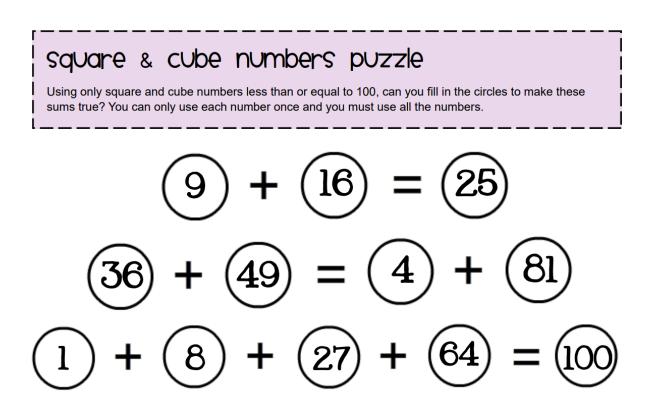
a) 7 <sup>2</sup> + 4 <sup>3</sup> = <b>113</b>	b) 8 <sup>2</sup> + 10 <sup>2</sup> = <b>164</b>	c) 5 <sup>3</sup> - 5 <sup>2</sup> = <b>100</b>
d) 5 <sup>2</sup> + <b>8<sup>2</sup></b> = 89	e) <b>9<sup>2</sup></b> - 8 <sup>2</sup> = 17	f) 3 <sup>2</sup> × 2 <sup>3</sup> = <b>72</b>
g) 3 <sup>2</sup> + <b>4<sup>2</sup></b> = 5 <sup>2</sup>	h) 6 <sup>3</sup> ÷ 2 <sup>2</sup> = <b>54</b>	i) 13 <sup>2</sup> = <b>169</b>
j) 10 <sup>3</sup> - 2 <sup>2</sup> = <b>996</b>	k) 100 <sup>2</sup> = <b>10 000</b>	l) <b>12</b> <sup>2</sup> = 144

# ANSWERS Maths Activity 4c - square and cube numbers puzzles

- Write each of these numbers as the sum of two squares.
   a) 80 = 64+16
   b) 61 = 36+25
   c) 104 = 100+4
- 2. Write each of these numbers as the sum of three squares.
  a) 21 = 16+1+4 b) 165 = 10+64+1 c)104 = 64+36+4

3. Write each of these numbers as the difference of two squares.

a) 40 = 121-81 b) 77 = 81-4 c) 119 = 144-25



## ANSWERS Puzzle time - Sudoku puzzles

## Sudoku 4 x 4 Puzzles **Answers**

4	2	1	3
3	1	4	2
2	4	3	1
1	3	2	4

3	2	4	1
4	1	3	2
2	4	1	3
1	3	2	4

1	3	4	2
2	4	1	3
3	1	2	4
4	2	3	1

4	1	3	2
2	3	1	4
1	4	2	3
3	2	4	1

2	4	1	3
3	1	2	4
1	3	4	2
4	2	3	1

1	4	2	3
2	3	1	4
3	1	4	2
4	2	3	1





# Sudoku 6 x 6 Puzzles Answers

5	2	4	3	6	1
3	6	1	5	4	2
1	5	6	2	3	4
2	4	3	1	5	6
4	3	2	6	1	5
6	1	5	4	2	3

6	3	2	4	5	1
4	5	1	6	3	2
2	6	3	1	4	5
1	4	5	2	6	3
5	1	6	3	2	4
3	2	4	5	1	6

1	3	2	5	6	4
4	5	6	1	3	2
6	2	3	4	1	5
5	4	1	6	2	3
2	6	5	3	4	1
3	1	4	2	5	6

2	5	1	6	4	3
6	3	4	2	1	5
5	4	6	1	3	2
1	2	3	5	6	4
4	6	5	3	2	1
3	1	2	4	5	6

5	2	4	1	3	6
1	6	3	5	4	2
3	4	2	6	1	5
6	5	1	3	2	4
4	1	6	2	5	3
2	3	5	4	6	1

1	6	2	5	4	3
5	4	3	1	2	6
3	1	4	6	5	2
6	2	5	3	1	4
4	5	6	2	3	1
2	3	1	4	6	5





## Sudoku 9 x 9 Puzzles Answers

6	8	9	7	2	5	4	3	1
1	3	7	9	8	4	2	6	5
4	2	5	1	3	6	8	7	9
2	5	8	4	7	1	6	9	3
3	7	6	5	9	2	1	8	4
9	4	1	8	6	3	5	2	7
7	1	3	2	5	8	9	4	6
5	9	2	6	4	7	3	1	8
8	6	4	3	1	9	7	5	2
3	8	4	1	6	5	7	2	9
7	5	2	4	9	8	6	1	3
9	6	1	3	2	7	5	8	4
5	7	8	9	1	3	4	6	2
2	1	6	7	5	4	9	3	8
4	9	3	6	8	2	1	5	7
6	3	5	2	7	9	8	4	1
1	4	7	8	3	6	2	9	5
8	2	9	5	4	1	3	7	6
9	6	7	5	3	1	2	4	8
8	2	, 5	9	4	6	1	3	7
3	1	4	8	7	2	6	5	9
1	5	6	2	9	4	7	8	3
7	8	9	1	5	3	4	6	2
4	3	2	7	6	8	9	1	5
6	9	3	4	2	5	8	7	1
2	4	8	3	1	7	5	9	6
5	7	1	6	8	9	3	2	4

2	3	5	8	1	9	4	6	7
7	4	6	5	2	3	9	1	8
1	9	8	4	7	6	5	3	2
8	6	7	3	9	5	2	4	1
3	2	4	6	8	1	7	9	5
9	5	1	7	4	2	6	8	3
4	8	9	1	5	7	3	2	6
5	1	3	2	6	4	8	7	9
6	7	2	9	3	8	1	5	4
6	8	3	2	4	5	9	1	7
7	5	4	9	1	6	2	8	3
9	1	2	7	8	3	5	4	6
3	6	1	4	5	2	7	9	8
8	9	5	1	6	7	3	2	4
2	4	7	3	9	8	6	5	1
1	2	8	6	3	9	4	7	5
4	7	6	5	2	1	8	3	9
5	3	9	8	7	4	1	6	2
4	5	6	9	2	3	1	7	0
		6	<u> </u>			1	7	8
9	3	8	6	1	7	2	5	4
2	7	1	4	5	8	9	6	3
5	8	2	7	4	9	3	1	6
1	6	7	3	8	2	4	9	5
3	9	4	1	6	5	7	8	2
8	1	9	5	3	4	6	2	7
7	2	3	8	9	6	5	4	1
6	4	5	2	7	1	8	3	9



