

**Great and Little Shelford C E (A) Primary School**,  
Church Street, Great Shelford, Cambridge, CB22 5EL

Tel: 01223 843107  
[office@shelford.cambs.sch.uk](mailto:office@shelford.cambs.sch.uk)  
[www.shelfordschool.org.uk](http://www.shelfordschool.org.uk)

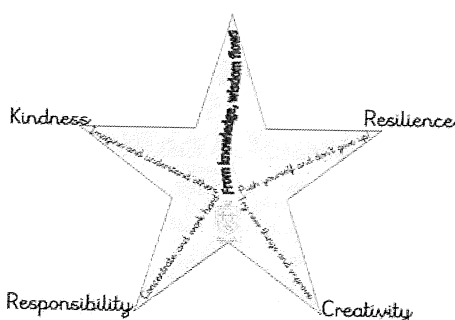
*We live and work in harmony with love for one another so we can achieve our potential within a community of life-long learners*

Headteacher: Mr. Chris Grey PGCE, MEd

# Year 6

# Easter Pack

# Grammar & Maths

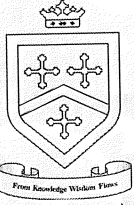


FFL National Attendance Award 2023/24



PROUD TO BE A MUSIC MARK SCHOOL





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Thursday 28<sup>th</sup> March 2024

Dear Year 6 and Year 6 families,

We have prepared a short pack of activities for you to complete over the Easter break.

There is one grammar challenge mystery to solve. There are also 6 maths mats, to keep different maths topics alive!

We recommend completing the activities over time – rather than doing them all at once.

We will also be circulating some suggestions via email if you wish to undertake some further grammar and maths activities – both online and written activities.

With best wishes for a peaceful Easter,

Mr. Grey



# Escape the Dōjō

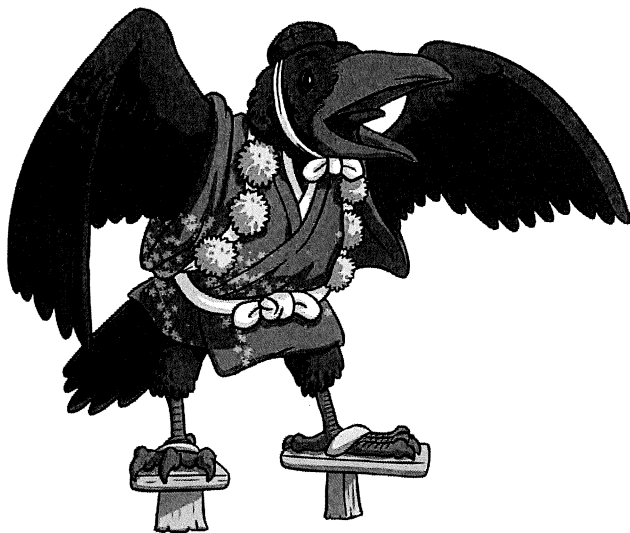


Today is the day of the annual SPaG samurai awards presentation. There'll be certificates, stickers and plenty of prizes given to those who have earned the title of becoming true SPaG samurai. As the ceremony is about to start, Karasu comes flying up to you in a panic: he's left the prizes on his desk in the dōjō!

Wanting to help, you quickly make your way to the dōjō and retrieve the prizes when suddenly, you hear a loud 'CLUNK'. The solid door of the dōjō has slammed shut behind you. Checking the door, you notice a keypad that is linked to the lock. If you can work out the correct code, the door will open.

Can you crack the code, escape the dōjō and make it to the presentation ceremony on time? Karasu is counting on you!

1 <sup>st</sup> digit	2 <sup>nd</sup> digit	3 <sup>rd</sup> digit
<input type="text"/>	<input type="text"/>	<input type="text"/>
4 <sup>th</sup> digit	5 <sup>th</sup> digit	6 <sup>th</sup> digit
<input type="text"/>	<input type="text"/>	<input type="text"/>





## Clue for Digit 1

To reveal the first digit to the code, read each sentence in the grid below.

If the sentence has a **clause** written in **blue**, colour in the box.

If the sentence has a **phrase** written in **blue**, don't colour in the box.

When you've checked each box, the first digit will be revealed.

Karasu, <b>who has worked at the dōjō for many years</b> , is waiting for the prizes.	<b>If you work quickly</b> , you'll make it to the ceremony in time.	Karasu and Fusahira are waiting at the ceremony <b>which is being held in the town</b> .
<b>You must crack the code</b> .	Fusahira could see <b>a large shadow between the trees</b> .	The prizes were waiting <b>on Karasu's desk</b> .
<b>Despite leaving himself a note</b> , Karasu still forgot the prizes.	Fusahira will delay the ceremony <b>until the prizes are returned</b> .	<b>Karasu forgot the prizes</b> .
<b>The door is locked</b> so you need to find the code.	Unlocking <b>this door</b> should be your top priority.	<b>When you unlock the door</b> , make your way to the ceremony in town.
<b>After finding this code</b> , you should look for the next digit.	<b>Fusahira is getting worried</b> and the SPaG samurai are wondering what's wrong.	Until you return, <b>Karasu will be fretting</b> .

The first digit is \_\_\_\_\_ .



## Clue for Digit 2

Karasu has been blowing bubbles that contain **main clauses** and **subordinate clauses**. To make things a little more confusing, none of the bubbles contain any punctuation. To find the second digit, count the number of bubbles that contain a **subordinate clause**.

while flying their kite

I like blowing bubbles

that dog is noisy

after travelling for 300 miles

Fusahira is reading a book

my pet fish has gone missing

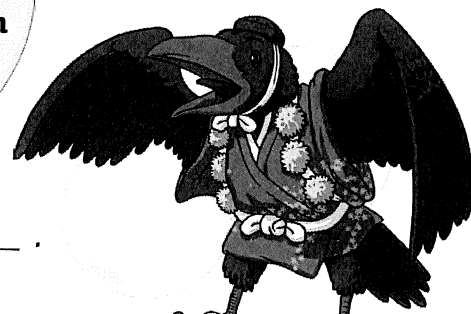
we are visiting the park

as Fusahira is taking today's session

if you start today

because we all enjoy learning about them

The second digit is \_\_\_\_\_.





### Clue for Digit 3

Fusahira has written a set of sentences that include **noun phrases**. Count the number of words in each noun phrase. Then, write the total at the end of each sentence.

The third digit is the number that appears the **most**.

I'm not sure that you will ever be able to crack this tricky code.	
We carefully climbed up the crumbling cliff which was steeper than we had first thought.	
I think that this red flower with yellow spots is beautiful.	
Fusahira looked in amazement at the three cheeky monkeys on the dōjō roof.	
The crumpled pieces of paper on my desk make it look very messy.	
On Tuesday, I wore five different pairs of socks.	
Billy Goat decided that he was going to confront the fierce, ugly troll beneath the bridge that was terrorising everyone.	
I must be clumsy because I keep tripping over these ridiculous laces on my new shoes.	
Her mischievous grin let me know who was to blame.	

The third digit is \_\_\_\_\_ .



## Clue for Digit 4

Karasu has been reading the start of his favourite story, 'How to Scare a Dragon', to Fusahira. The first page of this gripping tale is shown below. To find the fourth digit, count the number of **co-ordinating conjunctions** in the story.

How to Scare a Dragon

### Chapter One

Once upon a time, there were eight SPaG samurai who worked together in a dōjō near the town. One day, a strange creature knocked on the door of the dōjō and asked the samurai for help.

"I have just come from the mountains and I'm sure that I heard roaring from a dragon or some other enormous beast!" the strange creature explained. "Will you go up there and investigate it for me? I would go but I'm terrified of anything that has wings!"

After agreeing to help, the brave SPaG samurai made their way towards the mountain. "Dragons are scared of things that are bigger than them so we should pretend to be a dragon," suggested Karasu.

"I believe that to be true for I have read it in a book," agreed Fusahira.

"It seems unlikely to work yet I don't have a better plan," mumbled Wataru.

With no other suggestions, the SPaG samurai began preparing to scare the dragon. Toko was in charge of getting the speakers, Sanjiro was in charge of finding a microphone and Varu was in charge of training the rest of the samurai in the fine art of 'roaring'.

1

The fourth digit is \_\_\_\_\_ .



## Clue for Digit 5

Read the clue and write the answer with one letter in each box. The letters in the coloured boxes will spell the number of the fifth digit.

1. What type of **clause** is shown in **blue** in the sentence below?

**You can escape the dōjō if you solve all six clues.**

--	--	--	--	--	--	--	--	--	--	--

2. What is the grammatical term given to the words written in **blue**?

**You can guess the code but you might get it wrong.**

--	--	--	--	--	--	--	--	--	--	--

3. What is the grammatical term given to the words written in **blue**?

**Why did Karasu forget those important prizes?**

--	--	--	--	--	--	--	--	--	--	--

4. What type of **clause** is shown in **blue** in the sentence below?

**Many people who wish to learn about the SPaG samurai visit the dōjō each year.**

--	--	--	--	--	--	--	--

The fifth digit is \_\_\_\_\_ .





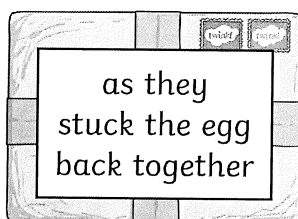
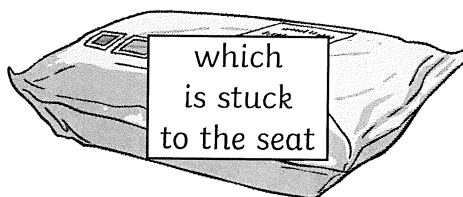
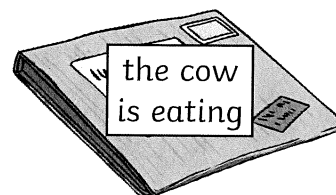
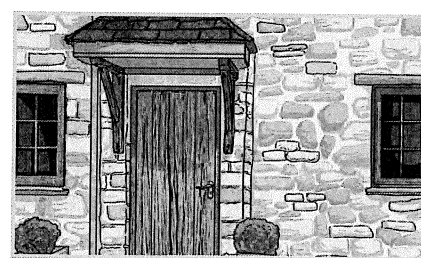
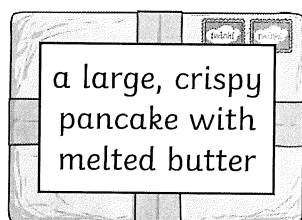
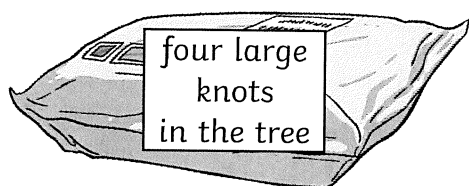
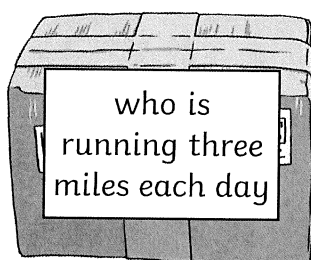
## Clue for Digit 6

This is Phrase and Clause Close. It's a street close to the dōjō where each house has a very strange address. Instead of an address with a street name and a town, each house is assigned a different phrase or clause. For example, if a parcel arrives at the post office with a noun phrase written on it, it is delivered to the noun phrase house.

Draw a line from each letter or parcel to the correct house to deliver them.

The sixth digit is the number that is written on the house that has the most mail delivered to it.

### Number 1 Noun Phrase House



### Number 3 Main Clause House

### Number 4 Subordinate Clause House

The sixth digit is \_\_\_\_\_.



# Year 6 Spring 2 Maths Activity Mat

1

Order the following numbers from smallest to largest:

776 776, 767 767, 767 677, 776 677

--	--	--	--

3

A teacher organises 354 children into groups of eight children. How many groups of eight children will there be?

---

7

I have two flat faces that are circles, which are parallel to each other. The other face is a curved face that joins the circles. What am I?

---

2

Here are some estimated answers to some calculations. Tick the reasonable estimates.

- $785 \times 8 \approx 7000$   
  $65\,712 - 34\,989 \approx 20\,000$   
  $653 \div 13 \approx 50$

Explain why any estimates are unreasonable.

---

4

Simplify the following fractions.

$$\frac{6}{15} \quad \frac{24}{32}$$

5

Calculate:

$$0.1 \times 100 =$$

$$0.8 \times 100 =$$

$$0.4 \times 100 =$$

6

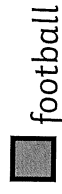
Convert the following:

$$0.3\text{ l} = \text{_____ ml}$$

$$\text{_____ l} = 5800 \text{ ml}$$

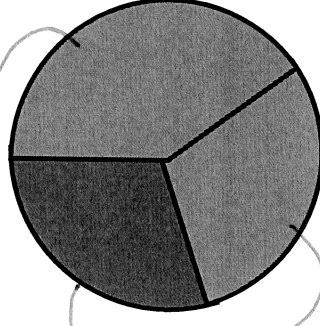
8

Some children research children's favourite sports. They show the results in a pie chart.



swimming

cricket



24 children chose football. Estimate how many children chose cricket?

---

# Year 6 Spring 2 Maths Activity Mat

2

1

What is the digit in the hundred thousands place in the number 7 802 314?

\_\_\_\_\_

2

A farmer has 24 092 animals. There are 13 562 sheep and 2893 sheep. The rest are pigs. How many pigs does the farmer have?

\_\_\_\_\_  
\_\_\_\_\_

3

Calculate:

$$14 \overline{) 7238}$$

4

Use <, =, or > to compare these fractions.

$$13 \frac{1}{4}$$

$$19 \frac{1}{8}$$

$$23 \frac{1}{6}$$

$$7 \frac{1}{2}$$

$$5 \frac{1}{2}$$

$$11 \frac{1}{3}$$

5

Calculate:

$$0.04 \times 6 =$$

$$0.03 \times 9 =$$

$$0.07 \times 8 =$$

6

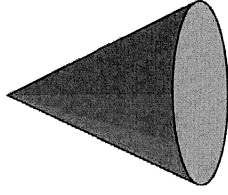
1 mile  $\approx$  1600m

How many miles is a 10 000m race?

\_\_\_\_\_

7

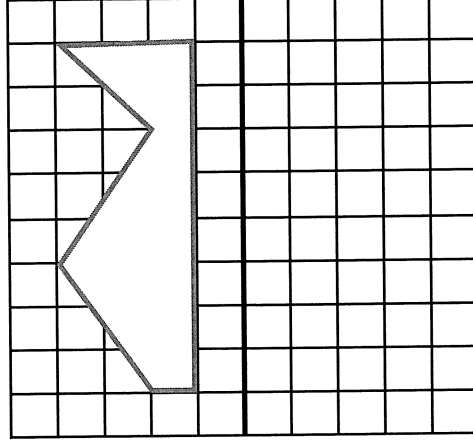
Name this shape.



\_\_\_\_\_

8

Reflect this shape about the thick black vertical line.



# Year 6 Spring 2 Maths Activity Mat

3

1

Round the following numbers to the nearest ten million.

23 891 500 →

85 000 000 →

44 500 000 →

2

Use this Carroll diagram to write the common factors of 8 and 18.

	Factor of 8	Not a factor of 8
Factor of 18		
Not a factor of 18		

3

What number, when halved, is three times 16?

\_\_\_\_\_

4

Calculate:

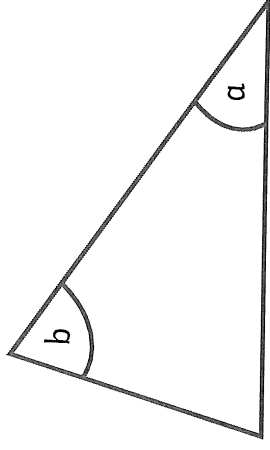
$\frac{1}{3} \times \frac{1}{12} = \frac{1}{12}$

$1 - \frac{2}{3} = \frac{2}{30}$

$\frac{3}{4} \times \frac{2}{3} = \frac{1}{2}$

7

Estimate angles a and b.



8

Find three pairs of numbers that satisfy these equations:

$2a - b = 5$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

$c + 4d = 15$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5

Calculate, writing the answer as a decimal:

$8 \overline{) 510}$

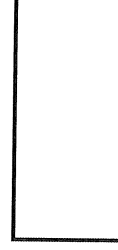
\_\_\_\_\_

6

Write possible measurements for the sides of this rectangle.

Area = 24cm<sup>2</sup>

Perimeter = 22cm



# Year 6 Spring 2 Maths Activity Mat

4

**1**  
The temperature in a fridge should be between  $1^{\circ}\text{C}$  and  $4^{\circ}\text{C}$ , and in a freezer between  $-18^{\circ}\text{C}$  and  $-20^{\circ}\text{C}$ . What should be the maximum and minimum differences in temperatures between a fridge and freezer? \_\_\_\_\_

Circle the odd one out.

$\frac{3}{4}$    **0.75**    $\frac{7}{8}$     $\frac{9}{12}$     $\frac{12}{16}$

**4**

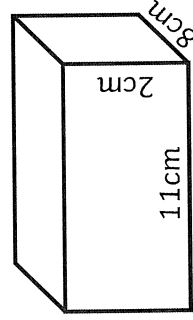
**7**  
Describe the radius and the diameter of a circle.

**2**  
Calculate in your head:  
 $263 + 306 =$   
 $253 + 147 =$   
 $703 - 401 =$   
 $612 - 593 =$

**8**  
Find the mean of these numbers:  
46, 38, 29, 40, 61  
\_\_\_\_\_

**5**  
The moon is an average of 238 855 miles from the Earth. Round the distance to an appropriate figure.  
The average distance from the earth to the moon is \_\_\_\_\_, rounded to the nearest \_\_\_\_\_.

**6**  
Calculate the volume of this cuboid.



Volume = \_\_\_\_\_

**3**  
Calculate:  
 $7 \times (3 + 6) =$   
 $98 - 12 \times 8 =$   
 $(45 + 19) \div 8 =$

# Year 6 Spring 2 Maths Activity Mat

5

1

Use these clues to find the number:

- The number has six digits.
- The number is less than 300 000.
- Nine is a factor of the number.
- Three digits are even and three are odd.
- The second digit is the first digit cubed.
- The tens digit has no value.
- The thousands digit is seven times the hundreds digit.

3

Write 1.625 as an improper fraction?

4

A shop sells four sizes of Easter eggs. Altogether it sells 5982 eggs, of which 1697 are small and 1049 are medium size. The remaining eggs are large and extra large. 25% of the remaining eggs sold are extra large. How many extra large eggs are sold?

5

Complete:

$$\frac{3}{4} \div 4 =$$

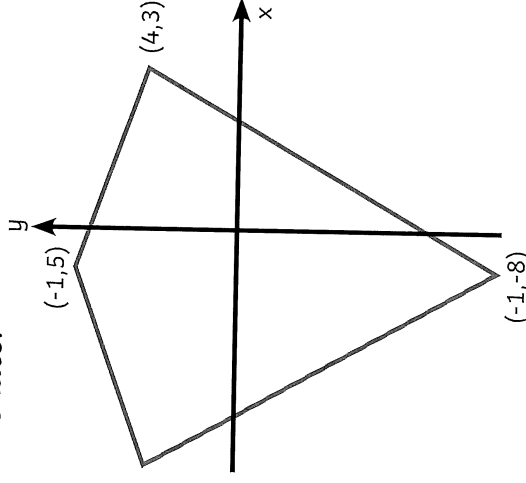
$$\frac{2}{5} \div 4 =$$

6

Alice makes a drink for a party of 16 children. She uses four litres of lemonade and three litres of juice. How much drink would each child have if the drink was shared equally?

7

Write the missing coordinates for this kite.



8

$a$  and  $b$  are whole numbers between 5 and 9. Write all the combinations showing the possible values of  $a$  and  $b$  where:

$$2a - b = 8$$

# Year 6 Spring 2 Maths Activity Mat

6

1

Bags of mini chocolate eggs contain six milk chocolate eggs, five plain chocolate eggs and three white chocolate eggs. Jake would like 15 plain chocolate eggs. How many milk and white chocolate eggs will he have?

2

$$y = 3x + 7$$

If  $x = 4$ , what is  $y$ ?

If  $y = 31$ , what is  $x$ ?

3

Calculate:

$$15\% \text{ of } £46 =$$

$$80\% \text{ of } £125 =$$

4

Calculate:

$$\frac{1}{4} + \frac{5}{8} =$$

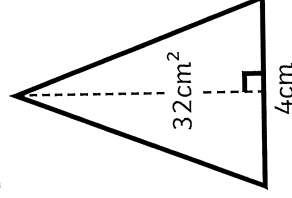
$$\frac{9}{10} - \frac{3}{5} =$$

5

For Comic Relief, a school have two activities. Children paid £1.50 to not wear uniform. There was also a bake sale that raised £56.25 out of the total £423.75. How many children did not wear school uniform?

6

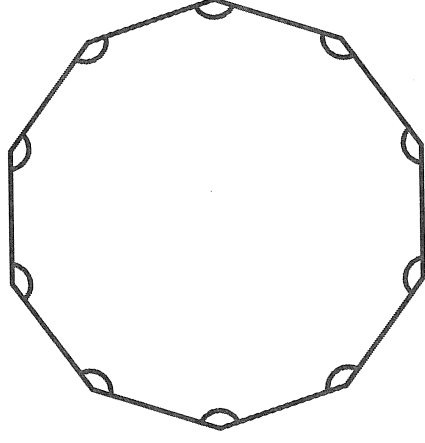
This triangle has an area of  $32\text{cm}^2$ . Calculate the height of the triangle.



Height: \_\_\_\_\_

7

Calculate the angles in this regular decagon:



8

Express the answer to this word problem algebraically, using  $h$  to represent the number hours Miles is asleep in a day, when he spends seven hours at school and is awake for another nine hours.