Year 5 Home Learning Pack

March/April 2020

Contents:

Page 2: PE - Fitness activities

Page 3: PE - Outdoor Adventurous Activities

Page 4: Mindfulness - 'rainforest' colouring

Page 5: Mindfulness - 'living things' colouring

Page 6: Mindfulness - 'motivational' colouring

Page 7: Science - Fireworks in a glass (experiment)

Page 8: Science - Dissolving (experiment)

Page 9: Science - Lava lamp (experiment)

Page 10: Maths - Reflection

Page 11-14 - Maths Coordinates

Page 15- Maths-Lengths and Angles in Shapes

Page 16-18- Maths - Perimeter and Coordinates game

Page 19- 26 Maths - The Mystery of the Easter Bunny

Page 27-28 Maths - Easter Multiplication Mosaics.

Page 29- English- South America reading comprehension

Page 30- English- Andean Nations reading comprehension

Page 31- English - Brazil and Guianas reading comprehension

Page 32- Englsih- The Southern Cone reading comprehension

Page 33- Englsih- The Southern Islands reading comprehension

Page 34- Englsih- World Zones reading comprehension

Pg 35-41- The Mystery of the Eggsplosive Easter Eggs Problem

PE- Fitness activities

- 1. Set up a relay race this teaches teamwork and sportsmanship.
- 2. Play Hula Hoop Games. Hula Hoops are so versatile-you can play jump-rope with them, use them as a bean bag toss, or have hula contests. (A skipping rope can be used for lots of different games too!)

3. Indoor fitness circuits:

- climb up and down the stairs 20 times
- complete 20 sit ups
- 20 lunges
- 20 star jumps
- 20 press ups (these can be from your knees)
- 'Plank' for as long as you can.

Can you do all of this without stopping for longer than 30 seconds between activities?

- 4. Walk the dog. This one kills two birds with one stone by getting your pet and your child exercise.
- 5. Try Yoga for kids! (YouTube: Yoga for Kids!) https://www.youtube.com/watch?v=X655B4ISakg

Home Learning: Outdoor Adventurous Activities

- Create a map of your garden, or a space within your home.
 Remember to include a key to show what the symbols in your map mean.
- Compose a set of warm-up exercises to show your family and friends. Remember: the purpose of a warm-up is to raise your heart rate and loosen your joints. It is also meant to be fun!
- 3. Can you find different equipment around your house to create an obstacle course? This could be anything from cushions to spoons! Then, set up a small obstacle course to be completed by your family members. How could this course be made trickier?
- 4. Point of contact game. Gather your family and friends round and make a small team. You will be the teacher. You must instruct your team to have a specified number of specific body parts in contact with the floor. They must hold their position for five seconds. Who will be the winner?

For example: All three points on the floor. This would be similar to the artic fox position in yoga.

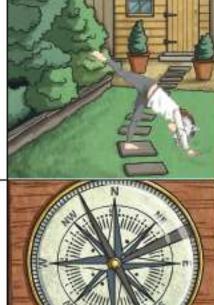
What is the history of Outdoor Adventures? Research this sport and create a timeline to show other children your age the history of orienteering.

This website may help you: http://orienteering.org/aboutthe-iof/history/

 What is sportsmanship? Create a display poster to explain what it is. Remember to show the different qualities a good sportsperson should display.

Create your poster for children who are the same age as you.











Fireworks in a Glass



This is a very cool, simple and fun experiment, and also completely safe, just don't drink the water!

Method

- Fill the tall glass with warm water.
- 2 Pour a small amount of oil into another container and add a few drops of food colouring.
- 3 Give it a good stir, if it doesn't mix, add a bit of water.
- 4 Pour the food colouring and oil mixture into the warm water and watch the fireworks!

The Science Bit

Oil and water don't mix. Also oil is less dense than water (meaning there is less of it in the same volume) and therefore floats on top of water in a nice layer. The food colouring we used was water based and therefore does not mix with the oil, instead it sinks through the oil into the water below. Since the addition of the colouring makes the food colouring heavier than the water, it sinks to the bottom leaving trails (resembling fireworks) as some of the colour diffuses into the water.

Which solids dissolve in water?

You Will Need

- · Water (hot and cold)
- Transparent Containers
- Substances to try and dissolve;
 sand, sugar, salt, coffee etc



Method

- 1 Add a teaspoon of whichever solid you are testing to a glass of cold water and a glass of hot water, stir and observe the difference.
- 2 Look to see if the solid dissolves in the hot water and cold water and if one is better than the other.
- 3 Can you design a chart to record your observation?

The Science Bit

Things like salt, sugar and coffee dissolve in water. They are soluble. They usually dissolve faster and better in hot water. Pepper and sand are insoluble, they will not dissolve even in hot water.

For Older Children

Everything is made of particles which are always moving. When a soluble solid (solute) is mixed with the right liquid (solvent), it forms a solution. This process is called dissolving.

Two things that affect the speed at which the solid dissolves are temperature and the size of the grains of the solid. Caster sugar which is made of fine particles will dissolve quickly, but bigger sugar particles will take longer.

Solids dissolve faster in hot water as in hot water the water molecules are moving faster, so bump into the solid more often which increases the rate of reaction.

Lava Lamp

- Water
- · Food Colouring
- Vegetable Oil
- Effervescent
 Tablets
- A Clear Plastic Bottle or Jar



Method

You Will Need

- 1 Fill the bottle or jar a quarter full with water.
- Top up, almost to the top with the vegetable oil
- 3 They should separate into two layers, water at the bottom and oil sitting on top.
- 4 Add about 6-8 drops of food colouring once the oil and water separate.
- 5 The colour will mix with the water at the bottom.
- 6 Pop in half an effervescent tablets and watch the bubbles form. Add more effervescent tablets bit by bit to keep the bubbles rising and falling.

Firstly water and oil will not mix — this is because we say that water is a polar molecule — its structure means that is has a positive charge one end and a negative charge the other. Water molecules stick together because the positive end of one water molecule is attracted to the negative end of another. Oil molecule structure is different — it is non polar, meaning that its charge is more evenly spread out, so the oil is not attracted to water — in fact we call it hydrophobic (water fearing) so it tries to get as far away from water as possible and will not mix. The reason that oil rests on top of the water rather than underneath is because it has a different density to water.

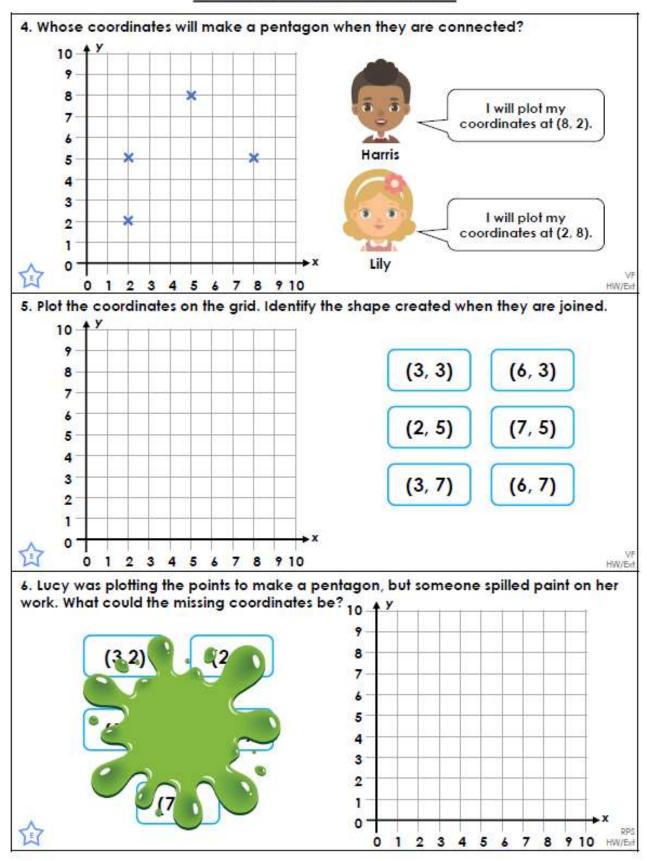
As the effervescent tablets is added (this is made of citric acid and sodium bicarbonate) it reacts with the water and form carbon dioxide gas and sodium citrate. It is the carbon dioxide bubbles that carry the coloured water to the top.

Reflection

4. True or false? The following images have been reflected correctly. C. Α. В. HW/Ext 5. Reflect the shape across the horizontal mirror line. Label this shape 'B'. Then reflect A and B across the vertical mirror line. Label the new shapes C and D. 5 4 Α 3 2 1 10 2 HW/Ext 6. Steph and Sean are reflecting patterns across a mirror line. Steph Who has reflected the pattern accurately? Explain how you know.

RPS HW/Ext

Position in the First Quadrant



Emoji Coordinates

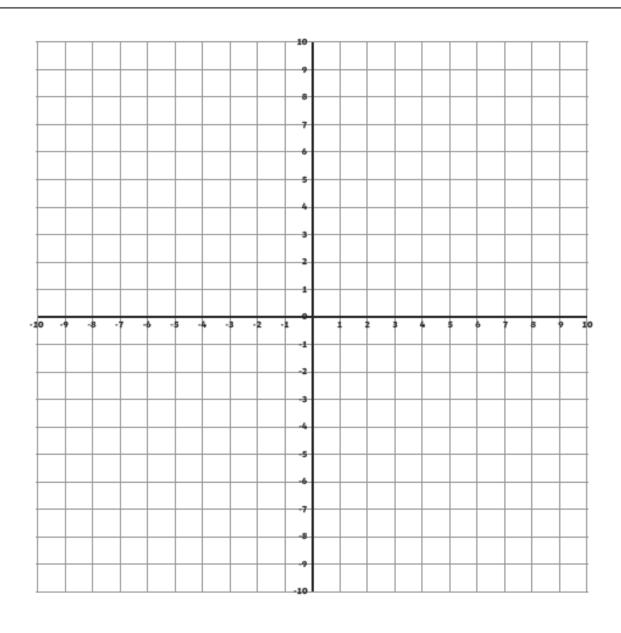
Draw the lines made by these coordinates. Use a different colour for each line.

$$(0,-8)(-3,-7)(-5,-6)(-6,-5)(-7,-4)(-8,-1)(-8,1)$$

$$(-8,1)$$
 $(-7,4)$ $(-5,6)$ $(-3,7)$ $(0,8)$

$$(-4,-2)$$
 $(-1,-3)$ $(1,-3)$ $(4,-2)$ $(3,-4)$ $(0,-5)$ $(-3,-4)$ $(-4,-2)$

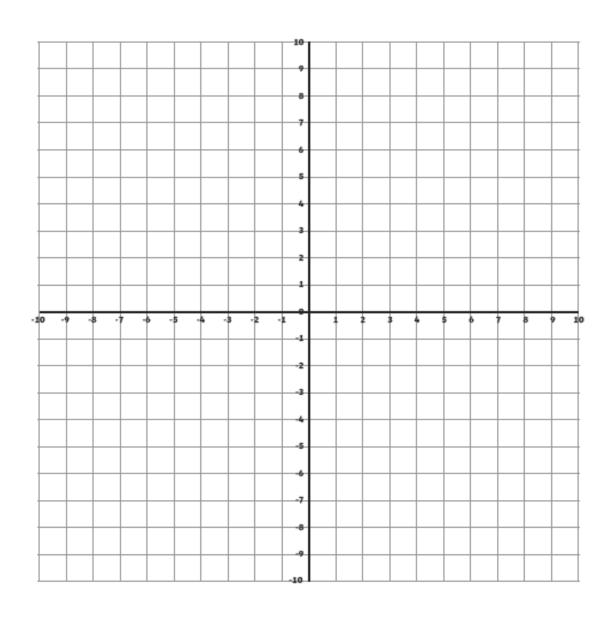
What shape do they make together?



Emoji Coordinates

Draw the lines made by these coordinates. Use a different colour for each line.

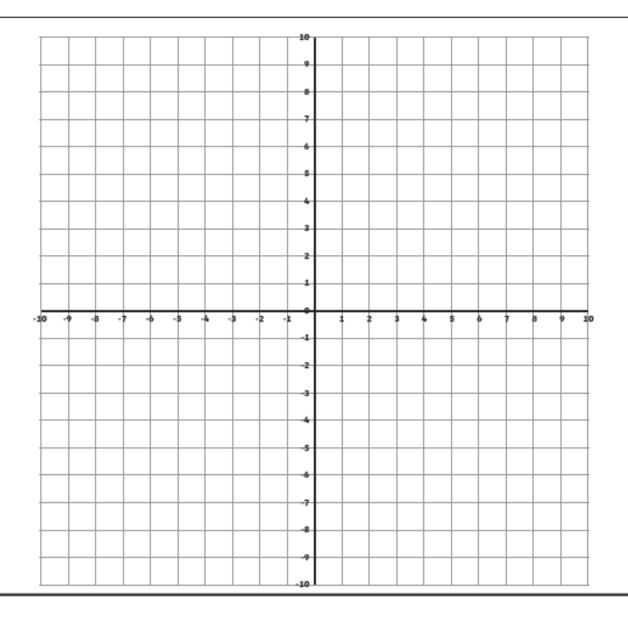
What shape do they make together?



Emoji Coordinates

Draw the lines made by these coordinates. Use a different colour for each line.

What shape do they make together?



Lengths and Angles in Shapes

1. Calculate the perimeter of the shape. 15cm 20cm HW/Ext 2. Calculate the length of the sides A and B and the angles C and D in the shape below. <u>Side</u> J_C 15m <u>Angle</u> C = 25m 3. Starting on X, follow Jack's instructions and draw his walking route around the park. Move forward three squares. Turn 90° anti-clockwise. Move forward three squares. Turn 90° anti-clockwise. Move forward three squares. Turn 90° anti-clockwise. Move forward three squares. Jack Name the shape you have drawn.

Capture the Island

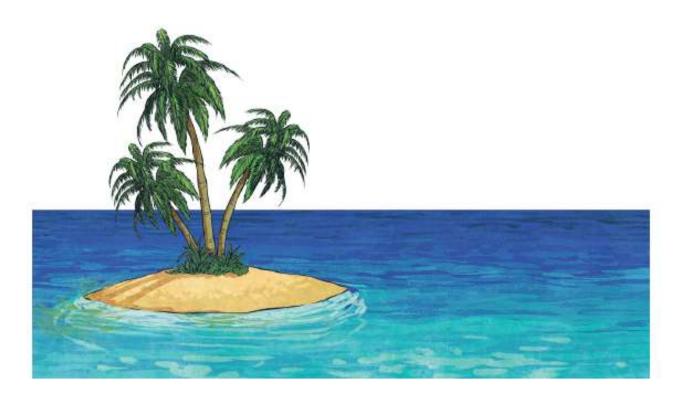
Perimeter Challenge

You will need:

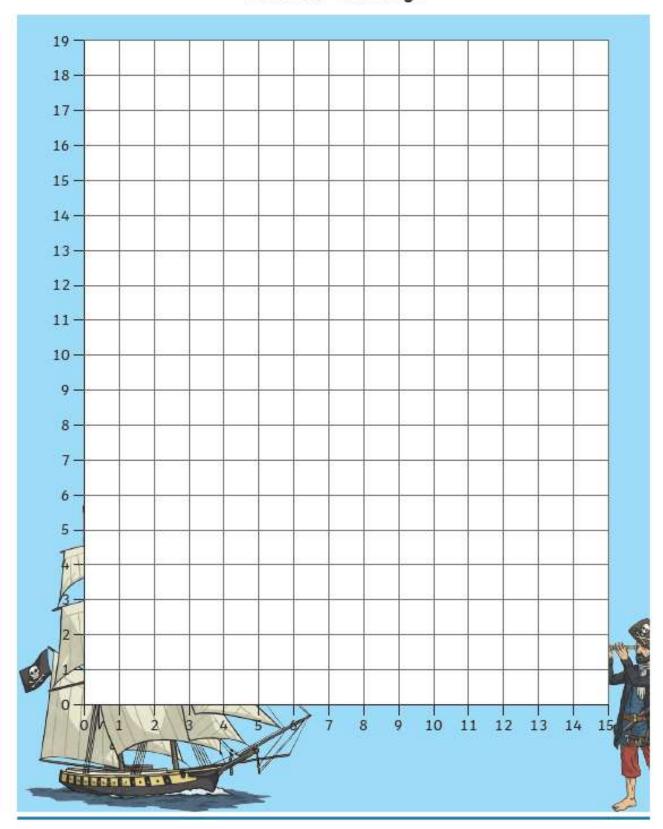
Capture the Island game board, two coloured crayons, coordinate cards.

Instructions:

- Each player chooses a coloured crayon and writes their name at the top of the board. Cut out the coordinate cards and place them face down in a pile.
- Player 1 takes a card from the top of the pile and plots the four points. Player
 then uses their crayon to join the points and form a rectangle. Player one
 finds the perimeter and writes the number inside the island to capture it.
- Player 2 takes a card from the pile and repeats step 2 using their crayon to plot and capture an island.
- 4. Players take it in turns until there are no cards left.
- 5. At the end of the game, players add up their points. The player with the most points is the winner!



Capture the Island Perimeter Challenge



Coordinate Cards

(1,1) (1,2) (4,1) (4,2)	(5,1) (5,4) (7,1) (7,4)
(8,2) (8,6) (12,2) (12,6)	(6,16) (6,19) (9,16) (9,19)
(11,0) (11,1) (15,0) (15,1)	(8,8) (8,9) (13,8) (13,9)
(13,2) (13,5) (15,2) (15,5)	(0,5) (0,7) (4,5) (4,7)
(2,9) (2,11) (4,9) (4,11)	(8,11) (8,12) (9,11) (9,12)
(1,16) (1,18) (4,16) (4,18)	(11,10) (11,12) (14,10) (14,12)
(1,3) (1,4) (3,3) (3,4)	(11,16) (11,17) (12,16) (12,17)
(13,15) (13,18) (14,15) (14,18)	(9,13) (9,15) (12,13) (12,15)
(1,13) (1,15) (7,13) (7,15)	(5,8) (5,12) (7,8) (7,12)

The Mystery of the Easter Bunny Costume

Members of the local Women's Institute have an annual Easter bunny egg hunt. Fred, the groundsman, always dresses up as the Easter bunny, and hops through the village hiding eggs for the children at Sunny Days Nursery, to find. It is always a wonderful occasion and the children look forward to it very much.



However, there is a problem this year.

Fred has gone to the cupboard where
the costume is stored, and to his horror,
he has discovered it has been cut up
into pieces!

Your task is to solve the five clues and use the character descriptions of all the people who have a connection with the Women's Institute to work out who wrecked the costume!

Good luck!

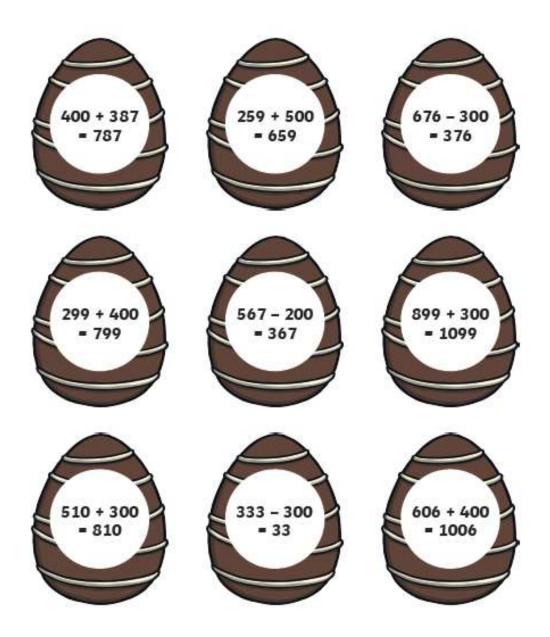


Character Descriptions

Name	M/F	Age	Hair colour	Favourite crisps	Owns a dog
Kim Hadley	F	61	black	spicy beef	yes
George Mears	М	57	grey	smoky bacon	yes
Brenda Thornhill	F	61	black	ready salted	yes
Connie Cornforth	F	56	grey	salt/vinegar	no
Matt Jones	М	28	black	Worcester sauce	yes
Kath Ecclestone	F	33	blonde	cheese/onion	yes
Graham Tone	М	49	black	ready salted	no
Lindsay Cramp	F	69	black	cheese and onion	yes
Summer Twell	F	22	brown	cheese/onion	no
Dawid Gierak	М	62	grey	pickled onion	yes
Paul Grimes	М	44	brown	spicy beef	no
Wen Li	F	60	grey	ready salted	yes
Hannah Belling	F	38	blonde	cheese/onion	no
Trish Plimsoll	F	61	grey	cheese/ onion	no
Enid Gardner	F	78	white	smoky bacon	yes
Usman Hussain	М	66	black	pickled onion	no
Doris Clubb	F	69	black	prawn cocktail	yes
Monika Kilmczak	F	37	blonde	ready salted	yes
Derrick Stanley	М	81	bald	spicy beef	no
Sue Guest	F	63	grey	ready salted	yes
Chris Bates	F	70	grey	prawn cocktail	yes
Fenella Hope	F	65	black	cheese/onion	yes
Steph Hawes	F	47	blonde	pickled onion	yes
Helena Wickers	F	39	black	smoky bacon	no
Sharon Day	F	43	brown	spicy beef	yes
Jessica Mathers	F	32	red	Worcester sauce	no
Zoe Hall	F	38	black	cheese/onion	yes
Tina Flame	F	46	black	salt/ vinegar	yes
John Nuttall	М	69	grey	salt/vinegar	no
Belinda Havers	F	72	black	cheese/onion	yes

Clue 1: Egg-citing Numbers

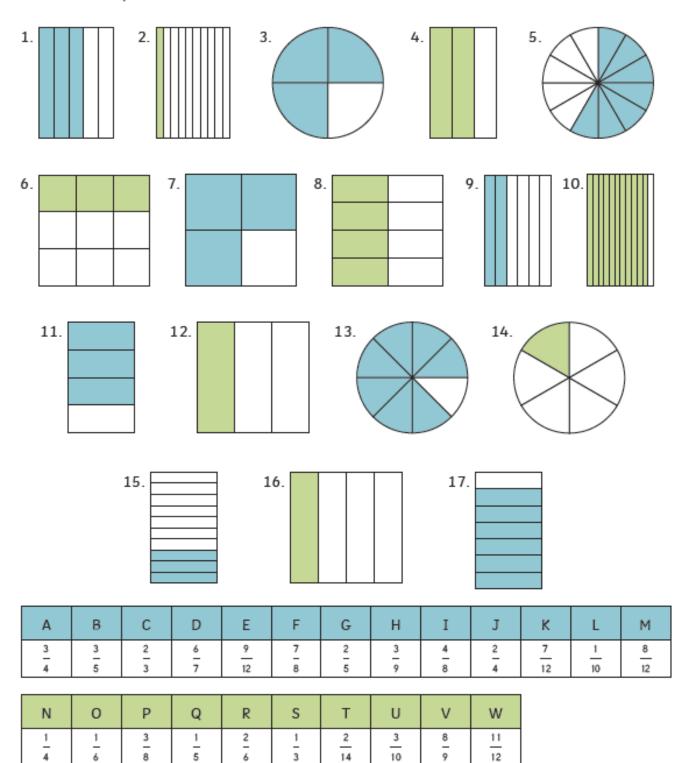
Work out which of these number statements are correct. If there are more correct than incorrect answers, the costume wrecker is female.



Clue 1: M / F

Clue 2: Hop to It!

Help the Easter bunny work out these fractions. Use your answers and the table of letters to discover an important clue about the crime scene.



Clue 2: _____

Clue 4: What's the Time?

Read these times and find the digital equivalent in the box below. Rearrange the words below your answers to reveal another clue.

twenty to seven	quarter past six	ten to eight
twenty-five past eleven	quarter to three	five past twelve
twenty past one	ten past ten	

18.15	12.30	11.25	19.50
α	not	lead	found
2.45	7.20	12.05	6.40
was	next	dog	on
			1 84 1 6
15.15	13.20	5.12	10.10
to	the	costume	floor

Clue 4:			

Clue 5: What's the Flavour?

A crisp wrapper was found near the costume cupboard. Work out the answers to the calculations below, then rearrange the letters to identify the flavour of crisps and solve the last clue!

А	В	С	D	Ε	F	G	Н	1	J	К	L	М
10	12	24	400	16	32	100	8	45	20	40	6	35

N	0	Р	Q	R	S	Т	U	٧	W	X	Y	Z
240	9	64	28	36	60	50	2	11	90	3	18	0





Clue 5:

Have you solved the mystery?

The Easter bunny costume wrecker is:_____

Easter Multiplication Mosaic

Multiplication 3x, 4x, 6x, 7x, 9x, 11x, 12x (including division)

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:

3, 4, 7, 12, 16, 18, 27, 36, 44, 56, 108, 132 = yellow

8, 9, 14, 21, 33, 48, 54 = pink

11, 28, 42, 45, 72, 88 = purple

6, 30, 32, 60, 63, 121 = blue

		-							
15 ÷ 5	27 ÷ 9	16 ÷ 4	21 ÷ 3	40 ÷ 5	4 × 2	3 × 4	6 × 2	4 × 4	64 ÷ 4
3 × 6	2 × 9	3 × 9	55 + 5	132 + 12	4 × 7	14 × 3	9 × 3	3 × 12	12 × 3
6 × 6	11 × 4	32 ÷ 4	7 × 2	36 ÷ 4	2 × 7	18 ÷ 2	7 × 2	7 × 8	12 × 9
44 ÷ 11	12 × 11	36 ÷ 6	72 ÷ 12	42 ÷ 7	3 × 10	6 × 5	4 × 8	4 × 11	6 × 2
15 ÷ 5	72 ÷ 8	7 × 3	11 × 3	4 × 2	4 × 12	18 ÷ 2	32 + 4	4 × 2	4 × 3
21 ÷ 3	6 × 7	9 × 8	7 × 4	12 × 6	132 ÷ 12	9 × 8	3 × 14	6 × 12	4 × 4
9 × 3	4 × 2	72 + 8	12 × 4	40 + 5	9 × 6	6 × 9	3 × 7	40 ÷ 5	64 + 4
2 × 6	10 × 6	11 × 11	10 × 3	5 × 6	8 × 4	11 × 11	30 × 1	6 × 10	27 + 9
15 ÷ 5	27 ÷ 9	8 ÷ 1	9 × 6	3 × 11	2 × 4	6 × 9	4 × 2	8 × 7	4 × 3
9 × 3	6 × 6	16 ÷ 4	12 × 6	132 + 12	14 × 3	7 × 6	64 + 4	3 × 12	3 × 9

Easter Multiplication Mosaic

Multiplying and dividing by 10, 100 and 1,000

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:

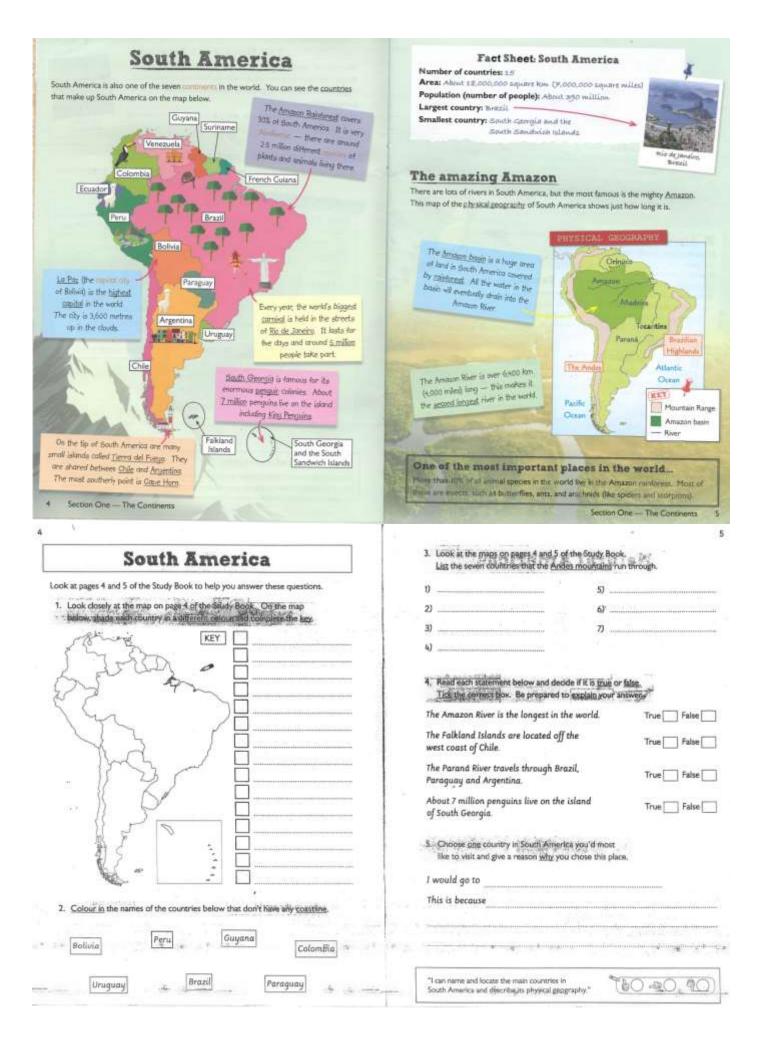
0.07, 0.08, 0.2, 0.6, 7, 8, 16, 400, 850, 2000, 7500 = blue

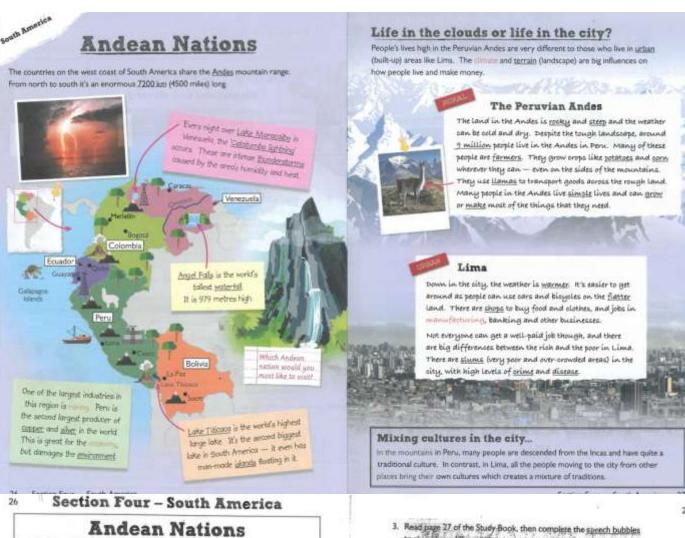
0.03, 0.09, 0.4, 0.7, 3, 9, 14, 90, 300, 6250 = grey

0.02, 0.04, 0.5, 4, 17, 70 = pink

0.06, 0.8, 6 = white 28, 800 = black

7 ÷ 100	0.7 ÷ 10	8 ÷ 100	0.3 ÷ 10	3 ÷ 100	75 × 100	9 ÷ 100	0.009 × 10	4 ÷ 10	0.8 ÷ 10
2 + 10	1,600 ÷ 100	60 ÷ 100	0.2 ÷ 10	0.9 + 10	20 ÷ 100	0.9 × 10	2 ÷ 100	700 ÷ 1,000	6 ÷ 10
40,000 ÷ 100	0.008 × 10	0.16 × 100	0.002 × 10	3000 + 1,000	0.007 × 10	70 ÷ 100	20 ÷ 1,000	0.3 × 10	200 ÷ 1,000
1.6 ×	0.07 × 100	7,000 ÷ 1,000	4 ÷ 100	90 + 10	0.06 × 10	400 ÷ 1,000	1.7 × 10	300 ÷ 100	0.7 × 10
8.5 × 100	600 ÷ 1,000	3 × 1	0.09 × 100	0.7 × 1	90 ÷ 10	0.14 × 100	30 ÷ 1,000	1400 + 100	0.8 × 10
0.4 × 1,000	600 + 100	0.28 × 100	140 + 10	1.4 × 10	0.6 + 10	8,000 + 10	0.09 × 1,000	0.14 × 100	160 + 10
800 ÷ 100	6,000 ÷ 1,000	0.6 × 10	0.3 × 1,000	900 ÷	8 ÷ 10	60 ÷ 10	3 × 100	90 ÷ 1,000	0.08 × 100
0.04 × 10	7 + 10	0.9 × 100	40 ÷ 100	62.5 × 100	6.25 × 1,000	0.003 * 10	3000 ÷ 10	62,500 + 10	85 × 10
30,000 ÷ 100	40 ÷ 10	5 ÷ 10	0.7 × 100	900 + 100	4 ÷ 10	9,000 ÷ 100	700 ÷ 1,000	0.009 × 10	200 × 10
0.014 × 1,000	0.3	7,000 + 100	9 + 100	62.5 × 100	0.07 × 10	1 × 3	1.4 × 10	6.25 × 1,000	75,000 ÷ 10





Read pages 26 and 27 of the Study Book about the countries that the Andes mountains run through, then answer these questions,

10 Write 1849 fraterients about the Andept in nations using the words 'highest' and 'tallest'.

2. Gray lines to match each patter below with the right fact.

Lake Titicaca

is the second largest producer of copper and silver in the world.

Peru

is in Venezuela.

The Andes

is the capital city of Colombia.

Lake Maracaibo

is caused by humidity and heat.

Angel Falls

are 7200 km long.

Catatumbo, lightning

is the second biggest of its kind in South America:

Bogotá

is 979 metres high.

Read page 27 of the Study Book, then complete the speech bubbles to show how different life is in the incuntains and in the city.



Where I live is



Where I live is

4. Read the statements below about mining. Decide whether they are good points or bad points. Colour the good points in green, and the bad in red.

Mines are used to get tin, copper, iron and other useful metals.

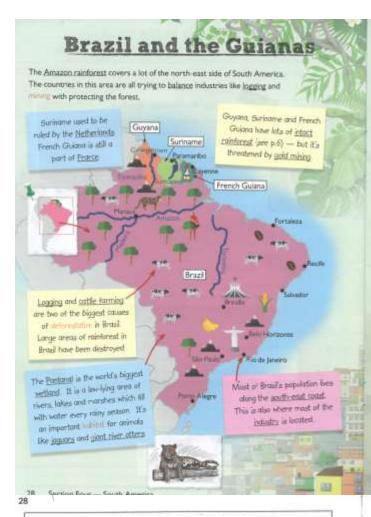
Mining can release toxic chemicals into the environment.

Sometimes rocks fall and gases explode in mines.

Mines produce coal, oil and gas, which we use for heating and transport. Mining helps people in poor areas to earn money.

Tican name and locate the northern Andean countries and describe some of their interesting features."





Tribes in trouble

Tribes have lived in the forests of South America for thousands of years, but growing numbers of farms and mines are threatening their ways of life. Some tribes are holding on, but there are groups of people that have already been forced to leave their land for good...



The Yanomami

The Yanomami are a tribe of 25,000 people. They live in a large area stretching across northern Brazil and southern <u>Yenezuela</u>. The Yanomami live in large round houses called yangs with up to 400 people inside. The men hunt for animals, and the women grow crops and harvest honey. Illegal mining is the main threat to the tribe, as miners out down the forest they rely on. People coming from outside the area have also brought in diseases which have harmed the Yanomanu people.







The Guarani

Over 40,000 Guarani people living in Brazil Over the last few decades, the Guarani have last a lot of their traditional lands to pattle farming, with less land it can be difficult. for them to grow enough food. Some groups of Guarani people have lost all of their land many of the people that this has happened to end up living in tents by the roadside. Some people have to leave their communities for long periods of time to work on sugar plantations in poor sonditions for very little money.

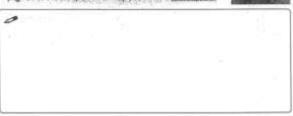
Home sweet home...

Brazil has laws to protect the rights of the tribes that live there, including their right to live on their traditional lands. But it can be difficult to make sure that everyone follows these laws. And when people don't follow them, it can make life very difficult for the tribes.

The Yanomami people depend of the forest to live. The survival of their tuture depends on continuing to live in these



traditional ways. Imagine you're a member of the Yanomani tribe and you're trying to persuade the militers not to cut down the forest where you live. What would you say! Use page 29 of the Study Book to help you write a short speech.



4. Read the facts below about deforestation in the rainforest to find out why it happens. Do you think defended should be stopped! Why or why not!

Rainforest and Deforestation Facts

- · Every minute, an area of forest the size of 20 football fields is cut down.
- Rainforests are home to about half of the plant and animal species in the world.
- Trees are needed to harvest timber to make paper, furniture and houses.
- Land that is cleared by deforestation can be used for farming.
- The land that is cleared is only good for farming for α short time.
- · The plants and trees of the rainforest produce oxygen, which we need to breathe.

I think deforestation should / shouldn't be stopped, because

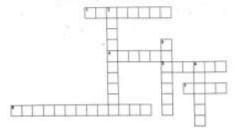
Tican find Brazil and the Guianas on a map and I know about some of the issues iffecting people there."



Brazil and the Guianas

Read pages 28 and 29 of the Study Book, then answer these questions.

1. Complete this crossword.



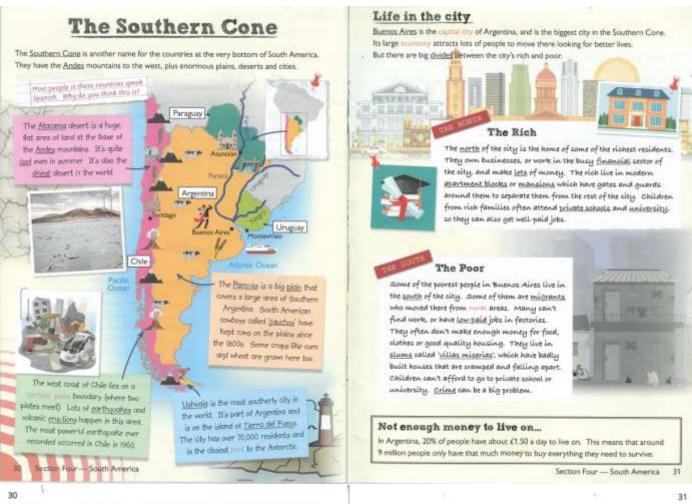
Across

- This country was once ruled by
- French Guiana is still a part of here.
- The Yanomami and Guarani are
- Brazil has these to help protect the rights of the tribes.
- 8 Cutting down large areas of trees.

- A tropical jungle in South America is called a
- The Pantanal is the world's largest
- 6 The largest South American country.

2	Tropical rainforest covers a large part of Brazil and the Guianas
	Name three human activities that endanger the rainforest.

. 1)	
2)	
3)	



Read pages 30 and 31 of the Study Book, then answer these questions about the countries at the bottom of the South American continent. 1. Circle the countries and oceans that each country borders. Chile borders Paraguay / Argentina / Uruguay / Atlantic Ocean / Pacific Ocean Argentina borders Uruquay / Paraguay / Chile / Atlantic Ocean / Pacific Ocean Paraquay borders Chile / Argentina / Uruquay / Atlantic Ocean / Pacific Ocean Uruguay borders Argentina / Chile / Paraguay / Atlantic Ocean / Pacific Ocean 2. Which of the following words would not be used to describe the Atacama desert? Circle two words. tool flat boiling 3. Look at the following statements from people living in Buenos Aires. Tick the correct box to show whether you think they are rich or poor. Rich Poor

I own a financial business in the city.

When I grow up, I'll go to university.

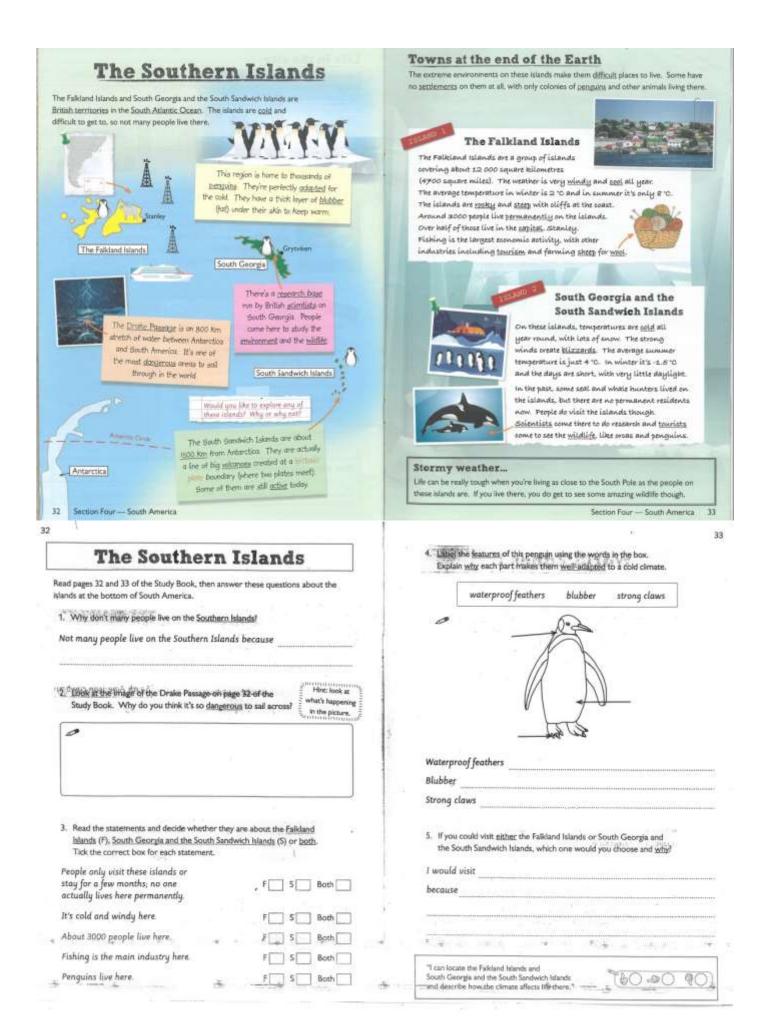
The apartment I live in is carefully guarded.

I live in the same house as many other people.

I work in a factory in the city.

The Southern Cone

On the right is a picture of the Pampas in Argentina. 4. Draw lines to match each word to its definition. Pampas A large area of flat land A large plain covering an Gauchos area of South America. Plain South American cowbous. 4. Describe the <u>climate</u> of the Pampas. 6 and 7 of the Study Book if you need help. 0 5. Using pages 30 and 31 of the Study Book for help, use the following numbers to write four facts about the Southern Cone. 9 million 70.000 1960 2) 3) "I can name and locate the countries in the Southern Conir and describe some things their known for."

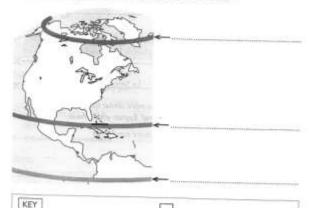






Read about the different climate zones on pages 34 and 35 of the Study Book.

 Colour in the map below to show the different climate zones in Central and North America. Fill in the key to show which colour represents which zone. Label the three lines.



Look at the information about climate zones on page 35 of the Study Book. Which climate zone would you like to live in, and why?

I would like to live in

because

3. Join the descriptions of the climates with the right climate zones.

The Tropics

The summers are dry and winters are cold.

It is always hot.

The Polar Regions

There are four seasons.

It is always cold.

The Temperate Zones This climate zone

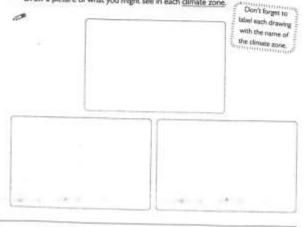
This climate zone is closest to the equator.

There are ice caps.

Imagine you're on a journey from the North Pole to the Equator.

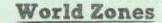
Draw a picture of what you might see in each climate zone.

 | Pole |



"I know about the three main climate zones on the Earth and what their climates are Nos."





The community of North and South America stretch from the north to the south of the globe. Each region's disease is linked to where on the globe it is located.

Circles on the Earth

There are five important imaginary lines around the Earth. They split the planet up into zones:



North of the Arctic Circle is a palar region. North America lies across the Arctic Circle, so it is partly in a polar region. There's another polar region south of the Antarctic Circle, but South America descrit cross this line.

The polar regions are really <u>cold</u> and are covered with <u>ice caps</u>

The area between the Tropic of Cancer and the Tropic of Capricorn is known as the trapics!

Almost everywhere in this region is always het. Different climates and blomes are found here, such as desert, tropical rainforest and tropical grassland.

The Temperate Pones

The areas between the <u>traping</u> and the <u>polar regions</u> have a <u>temperate</u> climate, which has cold winters and dry summers. The temperate zones have four <u>seasons</u> — spring, summer, autumn and winter.

Places in the temperate zones tend to be <u>warmer</u> the closer to the <u>tropics</u> they are. The parts of the temperate zones <u>closest</u> to the tropics are called the <u>subtropics</u>. Which of these three zones do gov think the UK is m?

The authorists are not enough to grow truits such as aranges and question

It isn't all about latitude...

Temperature doesn't just depend on how far north or south you are. It's also affected by stitude, nearby ocean currents, and whether you're in the centre of a large land mass.

Section Five — The Americas on the Globe 35

The Mystery of the Eggsplosive Easter Eggs Problem

Instructions

It's nearly Easter and an eggstraordinary event has occurred. All of the chocolate eggs on the shelves of the local supermarket have eggsploded! Why would someone do this to the Easter eggs? The culprit needs to be found and new eggs need to be made so that the celebrations can continue.

As the Detective Chief Inspector, it is your job to find out who eggsploded the eggs. Your officers have taken down the names and descriptions of the 30 people who were working in the supermarket today.

There are also five top secret clues that have been left. To crack the case, you will need to solve each clue and check the information with the list of names.

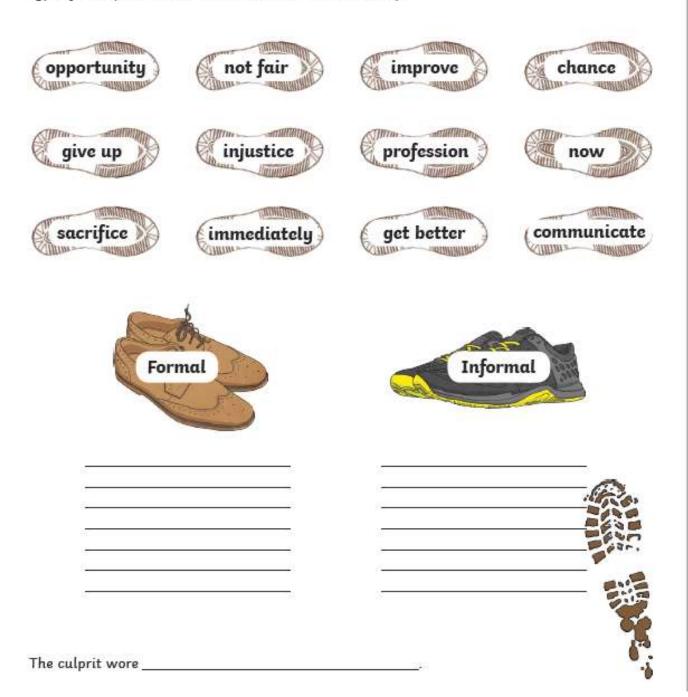
Good luck!



Clue 1

Formal or Informal Footprints?

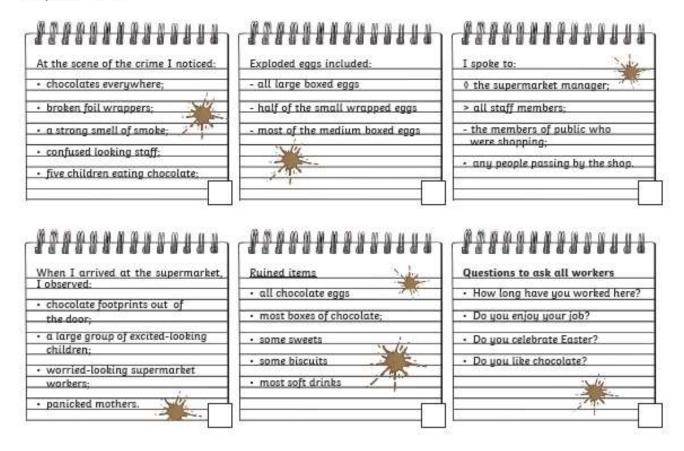
Decide whether each word or phrase uses vocabulary typical of formal or informal writing and write it in the correct place. Whichever shoe has the most words or phrases will tell you the type of shoe print that was discovered in the sweet shop.



Clue 2 Chocolate Bullet Points!

The following details were recorded by the police. These are in an awful mess with lots of mistakes. Can you check whether they have the correct punctuation?

If they are OK, give them a tick, but if they have incorrect or missing punctuation, give them a cross. If you have more ticks, then the culprit is female. If you have more crosses, then the culprit is male.



There are more ______, so the culprit is ______



Clue 3 Prefix Packets

An empty snack packet was found at the scene of the crime. Match the words to the correct prefix to form a verb. The prefix with the most words will reveal which packet was found and therefore the culprit's favourite snack.

cook	rail	obey	throne	respect
read	lead	agree	take	behave
perform	allow	laid	like	flate
de-	mis-	un	ider-	dis-
The prefix with the	most words is		, so the culpri	it's favourite snack
is			, oo ino outpit	- Jaroan too ondox

Clue 4 Aisle Adverbials

This paragraph is split into statement sentences, which all include adverbials. But are they adverbials of time, place or number?

If there are more adverbials of time, then the culprit works in the freezer aisle.

If there are more adverbials of place, then the culprit works in the fruit and vegetable aisle.

If there are more adverbials of number, then the culprit works in the tinned food aisle.

Statement	Adverbial of time, place or number?
Firstly, as I looked around the crime scene, I thought I heard the sounds of someone giggling.	
I noticed one unexploded egg behind the biscuits.	
I knew we needed to close the shop straight away.	
Nearby, there was a huge pile of broken biscuits.	
We collected all of the witness statements in the manager's office.	
Meanwhile, the newspapers arrived to take photos and write a news story.	
We were finally able to head home and leave the supermarket workers with a big clean up job.	

There were more adverbials of	
so the culprit works in the is	
,,,	aisle



Clue 5 Magical Maze!

Find your way through this maze of Y5/6 statutory spelling words. By following the path (vertically or horizontally) of correctly spelt words, you will find out whether the culprit wears glasses or not.

Start

		1			1	
bargain	thorough	excellent	suggest	harass	language	persuaid
forrty	reccommend	resterant	temprature	forign	community	stumach
sholder	lightning	immediate	variety	available	accompany	vehical
comunicate	neighbour	yocht	programe	determind	systum	parliment
freqwently	prejudice	relevant	twelfth	cemetery	immature	necessary
pronunsiation	exagerate	garantee	corespond	secretery	identtity	symbol
acheive	rhythm	equipment	average	especially	hindrance	equipped
vegetable	profession	lesiure	equipp	comittee	disasterous	dneen
оссиру	mucsle	individdual	desprate	recoggnise	suficient	rhime
apparent	privilege	criticise	signature	convenience	bruise	marvellous
consious	orkward	mischevious	sinsere	dicsionary	familliar	develop
anscient	curiousity	acording	sacrifise	conscence	controvversy	explanation
aggressive	embbarrass	definite	phisycal	nuisance	enviroment	government
X		00		×		000

The culprit wears/does not wear glasses.