KS2 (Ages 7-11) Home Learning Activity Booklet

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Pirate Code Breaker

Use the code breaker to reveal the answers to the pirate themed trivia and jokes.

a	b	c	d	e	f	g	h	i	j	k	l	m
234	235	236	237	238	239	240	241	242	243	244	245	246

n	o	p	q	r	s	t	u	v	w	x	y	z
247	248	249	250	251	252	253	254	255	256	257	258	259

What name is sometimes given to the pirate flag?

	238 + 5	250 - 2	239 + 6	252 - 7	261 - 3
Answer					
Letter					

	247 + 4	255 - 7	236 + 4	229 + 9	245 + 6
Answer					
Letter					

Edward Teach was supposedly the real name of which infamous pirate?

	231 + 4	248 - 3	229 + 5	239 - 3	239 + 5	240 - 5	244 - 6	228 + 6	246 + 5	241 - 4
Answer										
Letter										

The word pirate comes from the Latin word 'pirata'. What does pirata mean?

	204 + 30	263 - 10	303 - 50	264 - 30	216 + 20	194 + 50
Answer						
Letter						

Which pirate hunter later became a pirate himself?

	309 - 70	221 + 30	184 + 50	307 - 60	216 + 20	312 - 70	292 - 40
Answer							
Letter							

	197 + 40	231 + 20	184 + 50	294 - 50	298 - 60
Answer					
Letter					

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Snakes and Ladders

How to play:

1. Players take it in turns to roll a die. The player with the highest rolled number goes first, the person with the second highest rolled number goes second and so on.
2. The player moves their counter the number of spaces shown on the dice, then partitions the number that they land on in a different way, e.g. 3 hundreds, 5 tens and 4 units could be 35 tens and 4 units, 34 tens and 14 units etc. If they correctly partition the number in a different way, they stay on the square. If not, they move back to the previous square that they came from.
3. If a player lands on a snake's head, the player's counter slides down to the square at the bottom of the snake's tail.
4. If a player lands on the bottom of a ladder, the player's counter climbs up to the square at the top of the ladder.
5. The first player to reach 30 is the winner!

Finish 30	8 hundreds, 2 tens and 3 units 29	17 units 28	10 tens and 10 units 27	5 hundreds, 6 tens and 7 units 26
2 hundreds, 7 tens and 9 units 21	15 tens and 11 units 22	7 hundreds, 4 tens and 5 units 23	14 tens and 8 units 24	81 tens and 5 units 25
2 hundreds, 2 tens and 2 units 20	29 tens and 3 units 19	17 tens and 7 units 18	9 hundreds, 4 tens and 1 unit 17	2 hundreds, 11 tens and 1 unit 16
2 hundreds and 9 units 11	27 tens and 28 units 12	28 tens and 9 units 13	75 tens and 3 units 14	3 hundreds and 3 units 15
17 tens and 21 units 10	17 tens and 13 units 9	56 tens and 8 units 8	32 tens and 19 units 7	21 tens 6
Start 1	1 hundred, 3 tens and 6 units 2	56 tens and 8 units 3	10 tens and 8 units 4	3 hundreds, 7 tens and 3 units 5

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Football Maths Mosaic

Solve the calculations to reveal the hidden picture.
Each answer has a special colour.

1-5 = blue

6-11 = red

12 = skin of your choice

15-21 = green

24-27 = black

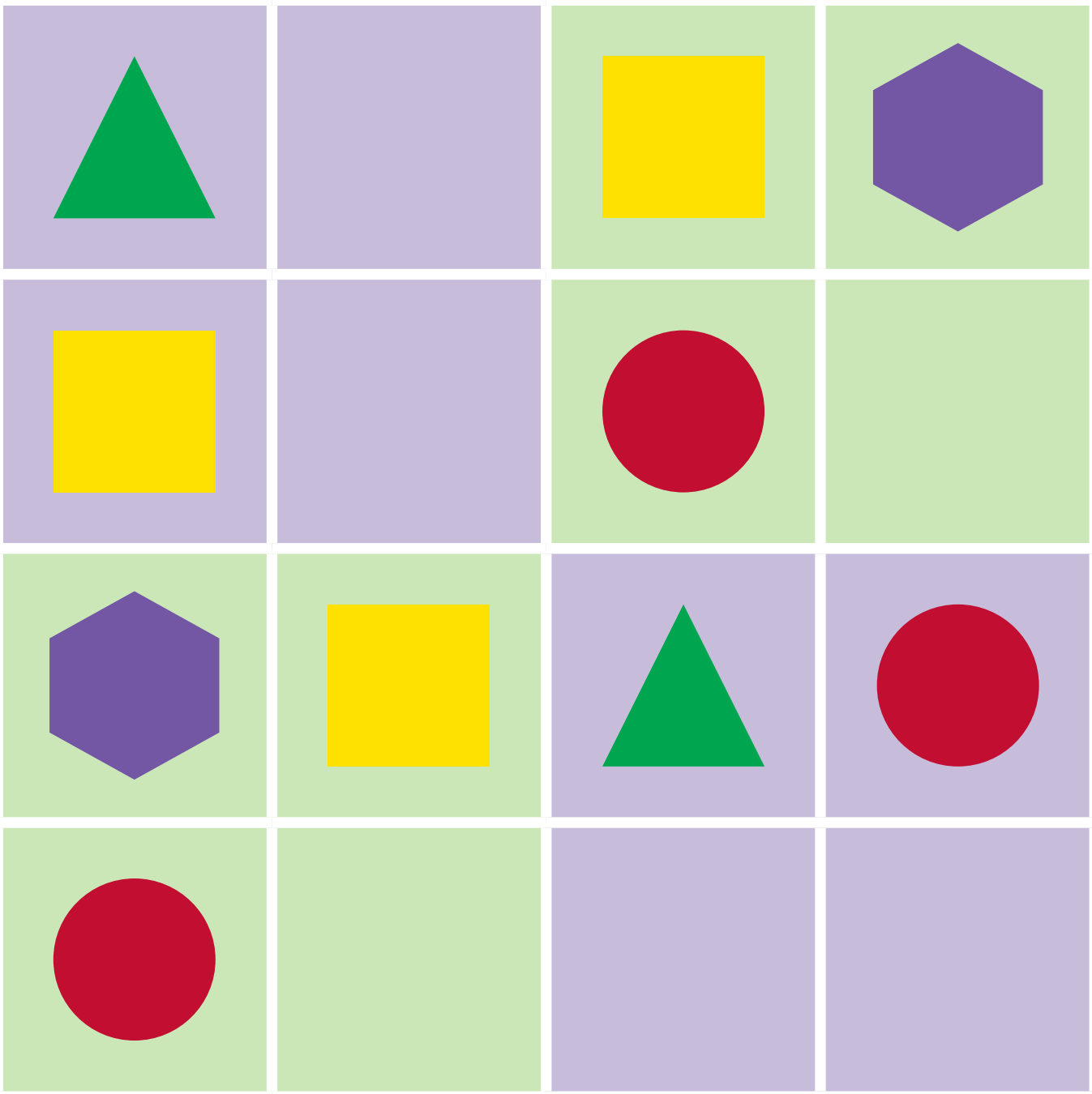
30-33 = hair of your choice

36 = white

1 × 3	15 ÷ 3	9 ÷ 3	3 ÷ 3	11 × 3	10 × 3	11 × 3	6 ÷ 3	3 ÷ 3
12 ÷ 3	6 ÷ 3	15 ÷ 3	12 ÷ 3	8 × 3	4 × 3	9 × 3	15 ÷ 3	12 ÷ 3
9 ÷ 3	12 ÷ 3	6 ÷ 3	9 ÷ 3	4 × 3	36 ÷ 3	4 × 3	9 ÷ 3	1 × 3
12 ÷ 3	15 ÷ 3	9 ÷ 3	3 ÷ 3	15 ÷ 3	4 × 3	3 ÷ 3	15 ÷ 3	12 ÷ 3
15 ÷ 3	6 ÷ 3	15 ÷ 3	3 × 3	30 ÷ 3	18 ÷ 3	27 ÷ 3	24 ÷ 3	6 ÷ 3
9 ÷ 3	12 ÷ 3	1 × 3	4 × 3	24 ÷ 3	2 × 3	21 ÷ 3	36 ÷ 3	12 ÷ 3
3 ÷ 3	9 ÷ 3	9 ÷ 3	36 ÷ 3	27 ÷ 3	33 ÷ 3	2 × 3	4 × 3	1 × 3
5 × 3	7 × 3	6 × 3	7 × 3	4 × 3	7 × 3	36 ÷ 3	5 × 3	7 × 3
9 × 3	12 × 3	5 × 3	6 × 3	18 ÷ 3	6 × 3	24 ÷ 3	7 × 3	6 × 3
12 × 3	8 × 3	6 × 3	9 × 3	8 × 3	5 × 3	9 × 3	8 × 3	5 × 3

2D Shape Sudoku

Draw shapes in the blank squares so that each column, row and 4-square group contains one of each 2D shape.



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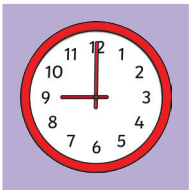
Telling the Time Board Game

What time is it?

Roll a dice, move and read aloud the time shown on the clock.
The first player to complete the board wins!

Start		Miss a turn				End
Miss a turn						Miss a turn
		Miss a turn				
				Start		

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Cupcake Recipe Problems

Ingredients (8 cupcakes)

For the vanilla cupcakes:

100g butter

100g caster sugar

100g self-raising flour

2 free-range eggs

2 tsp vanilla extract

2 tbsp milk

For the icing:

200g butter

600g icing sugar

2 vanilla pods

2 tsp food colouring of your choice

Ingredients	8 cupcakes	4 cupcakes	16 cupcakes
butter	100g		
caster sugar	100g		
self-raising flour	100g		
eggs	2		
vanilla extract	2 tsp		
milk	2 tbsp		

1. Fill in the table above, calculating the quantity needed of each ingredient to make the different number of cupcakes.
2. If I was going to make and ice 4 cupcakes, how much icing sugar would I need to use?

_____

3. How many vanilla pods would I need to use if I was going to ice 16 cupcakes?

_____

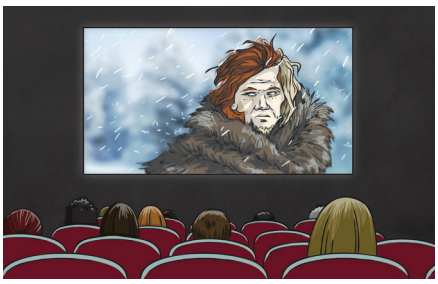
4. I have 100g butter. How much more do I need to buy if I want to ice 16 cupcakes?

_____

Film Review

Try to spend 30 minutes completing the following task.
Use the checklist to help you, and use more paper if you need it.

Write a review of the last film you watched. Do not spend more than one quarter of the essay retelling the plot: your review should focus on your opinion about the film.



Checklist

- Plan your writing thoroughly using the sheets provided.
- Think about what will make your writing unique – can you include a twist or standout viewpoint?
- Use a wide range of vocabulary, punctuation and sentence structures.
- Ensure that your handwriting is neat and legible.
- Write at least one side of A4.
- Read through your work. Remember to check your spelling, punctuation and grammar and neatly correct any errors.

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Reading Comprehension: Unusual Olympic Sports

Throughout its history, the Olympic Games have held a range of strange and unusual competitions that we no longer take part in today.

Rope Climb: Stopped in 1932, this was an event in which competitors had to climb up a rope as quickly and as stylishly as possible. The most impressive winner was George Eyser in 1904, who won gold despite having a wooden leg!

Tug of War: At every Olympic Games until 1920, teams of eight men would have to pull their opponents six feet over a line on the floor. The British team, containing lots of police officers, were very good at this event.

Swimming Obstacle Race: This event only happened in the 1900 Olympics. Swimmers had to climb over a pole and a row of boats, before swimming under another row of boats towards the finish line.

1. Find and copy two adverbs which describe how competitors had to climb up the rope.

2. In what year did the only Swimming Obstacle Race take place?

3. Why was George Eyser's gold medal win the 'most impressive'? Explain your answer.

4. How do these sports compare to Olympic events we see today?

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Spot Mr Whoops' Mistakes

Mr Whoops is a little bit clumsy...OK, OK, he's a lot clumsy! Even though he's really trying hard with his writing, he's still accidentally misspelt twelve of his Y3/Y4 key spelling words. Can you spot his mistakes?

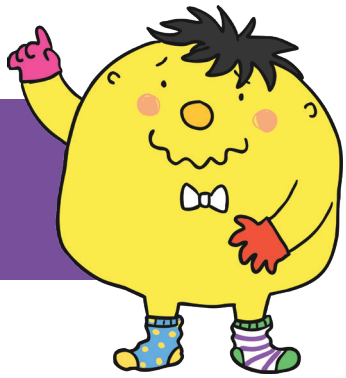
Highlight them in the passage of text. Could you then correct the words at the bottom of the sheet and create a list for Mr. Whoops to practise?

Last week, I took part in a grammer and spelling competition at my local libry. You needed to posess very special skills to be crowned 'English Expert of the Sentury'. Even thogh spelling is a big strenth of mine (as you already know!), going into the final round I was in eigth posision out of a groop of ten contestants. My hart was pounding and I was could barely breethe as I read out my final sentance. Unfortunately, I only won a bronze medal. Maybe I'll do better next year.

Mr. Whoops needs to practise these words:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Oooooo...have I got myself in a jumble?



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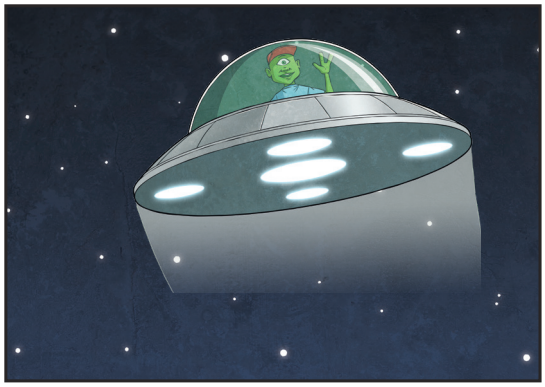
Reading Comprehension: UFO Sighting



Recent bright lights and high-pitched whistles have baffled dog walkers in the woodlands of Suffolk. The disturbance has occurred in the same area as the UK's largest ever UFO sighting, in 1980.

One astonished walker said, "I walk in these woods regularly and, although I'm aware of the unusual history of the place, I've never experienced anything like this before."

It seems that someone, or something, might be trying to contact us again, but nobody can fathom why this is happening nearly forty years since the first incident. The 'flying saucer' was in almost the exact same position as the UFO that was spotted in December, 1980.

Some residents are nervous but many others are excited about the prospect of contact with extra-terrestrials!

1. Which word means the same as understand?

_____

2. When and where was the UKs largest UFO sighting?

_____

3. Find and copy a phrase that implies the area is known for being 'special' or 'different'.

_____

_____

_____

4. Why do you think some walkers are nervous?

_____

_____

_____

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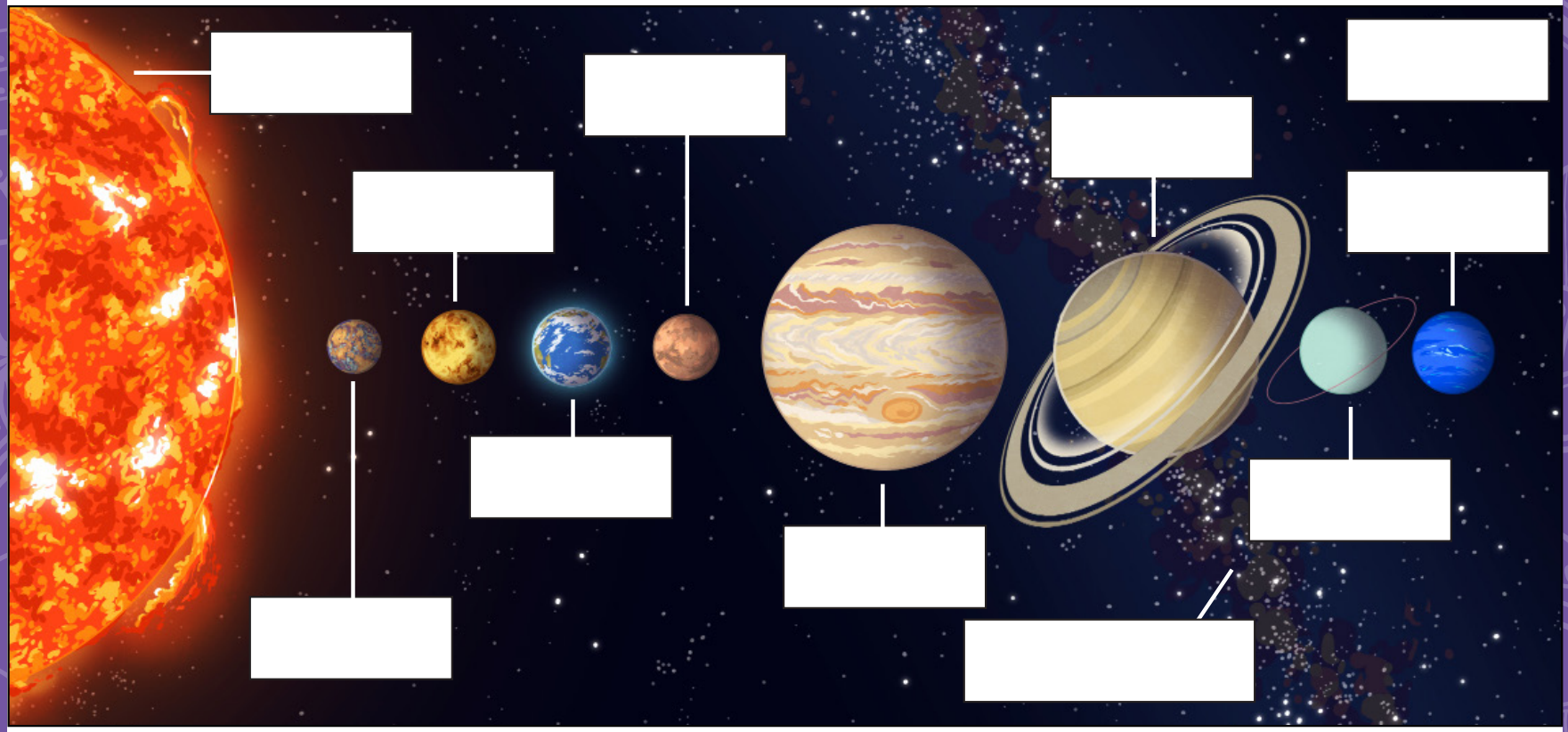
Labelling the Solar System

Use the word bank provided to label all the different parts of the solar system.



Mars	Earth	Neptune	Saturn	outer space	The Milky Way
Jupiter	Uranus	The Sun	Venus	Mercury	

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Animal Facts

What type of animal are the statements below true for? Draw a tick in each box where the statement is true, or a cross if it's false.

	Statement	mammal	bird	reptile	amphibian	fish
1	It is cold-blooded.					
2	It is warm-blooded.					
3	It has scales and fins.					
4	It lays eggs.					
5	It gives birth to live young.					
6	It can live on land and under water.					
7	It has webbed feet and wet skin.					
8	It has feathers and wings.					
9	It has scales and dry skin.					
10	The mother provides babies with milk.					
11	It has fur.					

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Cornflour Slime Recipe

Follow these instructions to make your own cornflour slime!

You will need:

- A large bowl
- 200ml
- 200-300g cornflour
- Food colouring
- Large covered table or area where mess is not a problem
- Aprons

Method:

1. Pour the cornflour into the bowl.
2. Pour the water in, mixing slowly as you go. Keep adding more water until the mixture becomes thick (and hardens when you tap on it).
3. Add a few drops of food colouring to make your slime the colour you want it.
4. Put your hands in the slime and experiment with handling it.
5. What happens when you pick the slime up, squeeze it or even punch or slap it?
6. Do you think it is a solid or a liquid?
7. How is it different to water?

The science:

The slime is a non-Newtonian liquid which means it is different to 'normal' liquids. It gets thicker when it is pushed or pressed down. The cornflour is not actually dissolved in the water so when pressure is put on the mixture, the water molecules are pushed away. Other non-Newtonian liquids react in different ways to pressure. Tomato ketchup gets runnier if you shake it. If you whip cream for a long time, it gets thicker and thicker.

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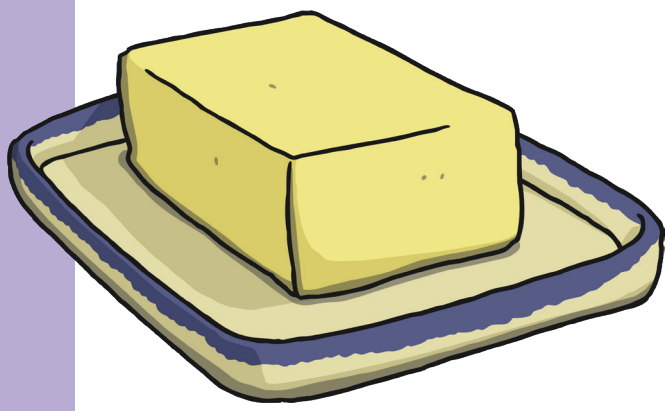
Make Your Own Butter

Butter is an important part of sandwiches and tastes great on toast. Follow these instructions to make your own yummy butter.

You will need:

- cream (it needs to be thick cream so double cream or whipping cream works best)
- plastic jar with a lid
- sieve
- bowl



Method:

1. Pour the cream into the jar. The jar should be about half full.
2. Put the lid on the jar and make sure it's on tightly.
3. Now for the hard work! Shake the jar lots until you see a lump form in the jar. This could take a long time – maybe even ten minutes!
4. Eventually, you will see a lump and some liquid. The lump is butter and the liquid is buttermilk, an ingredient that can be used in lots of different things.
5. Put the sieve over a bowl. Open the jar and tip the contents into the sieve.
6. You now have separate butter and buttermilk.

The science:

Cream is made up of tiny pieces (called molecules) of fat surrounded by water. When you shake the cream, the fat molecules start to clump together in a lump. They then separate from the liquid.

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How Can You Be Kind to Yourself?

We often think about how we can be kind to others and what effect our behaviour has on other people. Have you ever thought about how you can be kind to yourself? Using the hearts below, write your own ideas about how you can be kind to yourself. Some ideas have been given to start you off.

Once you have recorded these ideas, start to think about how you can carry out these ideas to be kind to yourself.

Get enough sleep

Make good choices

Try something new

Take time to relax

Take time to relax and have fun

Be positive

Choose kind friends

Drink plenty of water

Eat healthily

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Solar System Word Search

m	e	r	c	u	r	y	s	m	a	r	s
o	c	e	s	y	u	a	r	g	e	i	a
o	e	n	a	t	u	v	p	r	a	v	s
n	e	p	t	u	n	e	s	a	v	c	t
c	a	n	u	u	y	n	r	v	e	v	e
v	r	t	r	s	j	u	p	i	t	e	r
a	t	e	n	a	s	s	y	t	u	i	o
g	h	r	a	t	r	e	u	y	o	c	i
i	m	c	r	a	t	e	r	e	i	o	d
u	r	a	n	u	s	r	t	a	c	m	v
t	s	u	n	r	s	t	a	r	m	e	e
d	w	a	r	f	p	l	a	n	e	t	y

Mercury	Mars	Neptune	crater
Venus	Jupiter	Sun	dwarf planet
Earth	Saturn	asteroid	gravity
Moon	Uranus	comet	star

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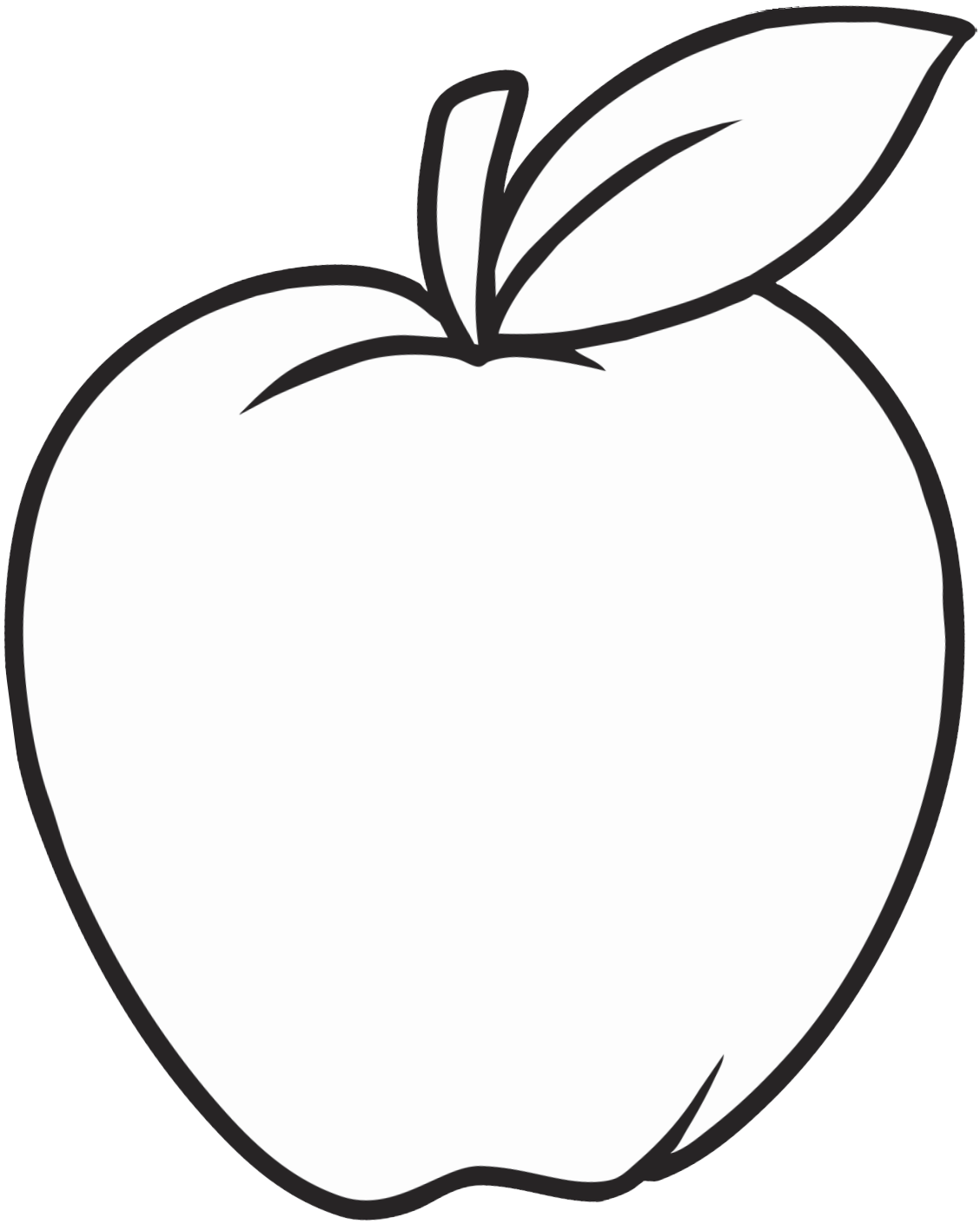
Apple Window Art

Use this Apple Window Art activity at home to show thanks and appreciation for a teacher. Decorate your apple however you like, then display it on a window in your home so that passers-by and neighbours can see it.



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Answers

Pirate Code Breaker

What name is sometimes given to the pirate flag?

	238 + 5	250 - 2	239 + 6	252 - 7	261 - 3
Answer	**243**	**248**	**245**	**245**	**258**
Letter	**J**	**o**	**l**	**l**	**y**

	247 + 4	255 - 7	236 + 4	229 + 9	245 + 6
Answer	**251**	**248**	**240**	**238**	**251**
Letter	**R**	**o**	**g**	**e**	**r**

Edward Teach was supposedly the real name of which infamous pirate?

	231 + 4	248 - 3	229 + 5	239 - 3	239 + 5	240 - 5	244 - 6	228 + 6	246 + 5	241 - 4
Answer	**235**	**245**	**234**	**236**	**244**	**235**	**238**	**234**	**251**	**237**
Letter	**B**	**l**	**a**	**c**	**k**	**b**	**e**	**a**	**r**	**d**

The word pirate comes from the Latin word 'pirata'. What does pirata mean?

	204 + 30	263 - 10	303 - 50	264 - 30	216 + 20	194 + 50
Answer	**234**	**253**	**253**	**234**	**236**	**244**
Letter	**a**	**t**	**t**	**a**	**c**	**k**

Which pirate hunter later became a pirate himself?

	309 - 70	221 + 30	184 + 50	307 - 60	216 + 20	312 - 70	292 - 40
Answer	**239**	**251**	**234**	**247**	**236**	**242**	**252**
Letter	**F**	**r**	**a**	**n**	**c**	**i**	**s**

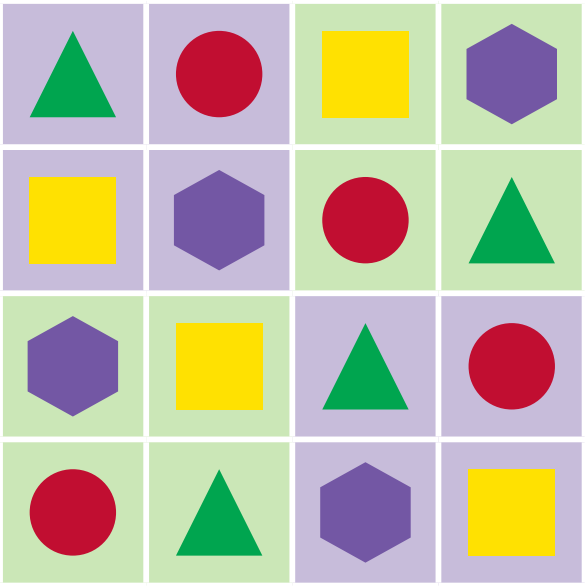
	197 + 40	231 + 20	184 + 50	294 - 50	298 - 60
Answer	**237**	**251**	**234**	**244**	**238**
Letter	**D**	**r**	**a**	**k**	**e**

Answers

Football Maths Mosaic

1 × 3	15 ÷ 3	9 ÷ 3	3 ÷ 3	11 × 3	10 × 3	11 × 3	6 ÷ 3	3 ÷ 3
12 ÷ 3	6 ÷ 3	15 ÷ 3	12 ÷ 3	8 × 3	4 × 3	9 × 3	15 ÷ 3	12 ÷ 3
9 ÷ 3	12 ÷ 3	6 ÷ 3	9 ÷ 3	4 × 3	36 ÷ 3	4 × 3	9 ÷ 3	1 × 3
12 ÷ 3	15 ÷ 3	9 ÷ 3	3 ÷ 3	15 ÷ 3	4 × 3	3 ÷ 3	15 ÷ 3	12 ÷ 3
15 ÷ 3	6 ÷ 3	15 ÷ 3	3 × 3	30 ÷ 3	18 ÷ 3	27 ÷ 3	24 ÷ 3	6 ÷ 3
9 ÷ 3	12 ÷ 3	1 × 3	4 × 3	24 ÷ 3	2 × 3	21 ÷ 3	36 ÷ 3	12 ÷ 3
3 ÷ 3	9 ÷ 3	9 ÷ 3	36 ÷ 3	27 ÷ 3	33 ÷ 3	2 × 3	4 × 3	1 × 3
5 × 3	7 × 3	6 × 3	7 × 3	4 × 3	7 × 3	36 ÷ 3	5 × 3	7 × 3
9 × 3	12 × 3	5 × 3	6 × 3	18 ÷ 3	6 × 3	24 ÷ 3	7 × 3	6 × 3
12 × 3	8 × 3	6 × 3	9 × 3	8 × 3	5 × 3	9 × 3	8 × 3	5 × 3

2D Shape Sudoku



Cupcake Recipe Problems

Ingredients	8 cupcakes	4 cupcakes	16 cupcakes
butter	100g	**50g**	**200g**
caster sugar	100g	**50g**	**200g**
self-raising flour	100g	**50g**	**200g**
eggs	2	**1**	**4**
vanilla extract	2 tsp	**1 tsp**	**4 tsp**
milk	2 tbsp	**1 tbsp**	**4 tbsp**

2. 300g
3. 4
4. 300g

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Answers

Reading Comprehension: Unusual Olympic Sports

1. **Accept: quickly and stylishly.**
2. **Accept: 1900 only.**
3. **Accept any answer which explains how difficult it might have been to climb the rope with a wooden leg and still be the fastest competitor.**
4. **Accept any valid similarity or difference provided, such as 'we don't have an obstacle swimming race but we do still have swimming races', or 'we do not have any events which involve using a rope anymore'.**

Spot Mr. Whoops' Mistakes

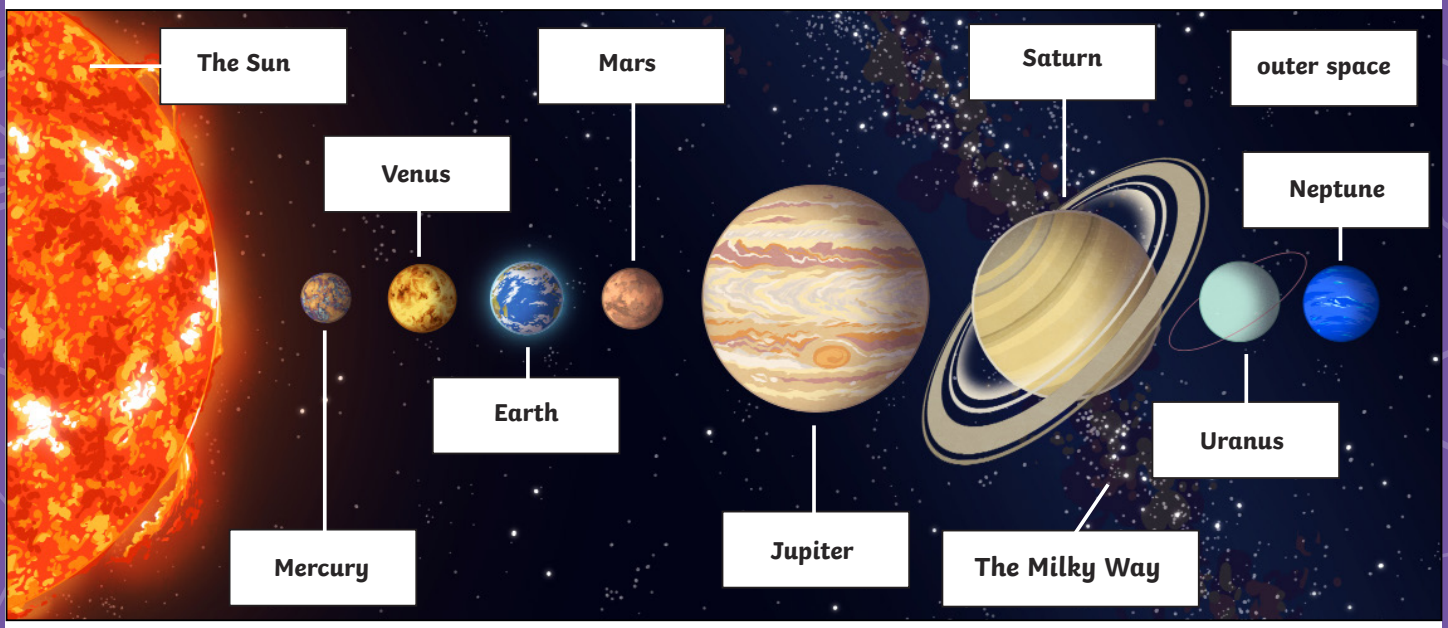
grammar	possess	though
eighth	heart	group
library	century	strength
position	sentence	breathe

Reading Comprehension: UFO Sighting

1. **Accept: fathom.**
2. **Accept: December, 1980 and (woodlands in) Suffolk.**
3. **Accept: 'the area of the UK's largest ever UFO sighting' OR 'the unusual history of the area' OR 'the same position as a 'flying saucer' was spotted'.**
4. **Accept an explanation that focuses on the unknown of UFOs and how this might cause some people to become anxious.**

Answers

Labelling the Solar System



Solar System Word Search

m	e	r	c	u	r	y	s	m	a	r	s
o	c	e	s	y	u	a	r	g	e	i	a
o	e	n	a	t	u	v	p	r	a	v	s
n	e	p	t	u	n	e	s	a	v	c	t
c	a	n	u	u	y	n	r	v	e	v	e
v	r	t	r	s	j	u	p	i	t	e	r
a	t	e	m	a	s	s	y	t	u	i	o
g	h	r	a	t	r	e	u	y	o	c	i
i	m	c	r	a	t	e	r	e	i	o	d
u	r	a	n	u	s	r	t	a	c	m	v
t	s	u	n	r	s	t	a	r	m	e	e
d	w	a	r	f	p	l	a	n	e	t	y

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Answers

Animal Facts

	Statement	mammal	bird	reptile	amphibian	fish
1	It is cold-blooded.			X	X	X
2	It is warm-blooded.	X	X			
3	It has scales and fins.					X
4	It lays eggs.		X	X *Usually	X	X
5	It gives birth to live young.	X		X *Rarely		
6	It can live on land and under water.				X	
7	It has webbed feet and wet skin.				X	
8	It has feathers and wings.		X			
9	It has scales and dry skin.			X		
10	The mother provides babies with milk.	X				
11	It has fur.	X				

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