

# Year 2

## Independent Maths & English Work Booklet

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# Pirates

## Missing Numbers

Can you help the pirates to fill in the missing numbers?



1		3	4	5	6		8	9	10
11	12		14	15	16	17	18	19	20



21	22	23		25	26		28	29	30
31	32	33	34	35		37	38	39	40



41	42	43		45	46	47	48	49	50
51		53	54			57	58	59	60



61	62		64	65	66	67	68		70
71	72	73	74		76		78	79	80



81	82		84	85	86	87	88	89	90
91	92	93	94	95		97	98		100

# Pirates

## ×10 Mosaic

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

		$120 \div 10$	$6 \times 10$	$4 \times 10$				
	$2 \times 10$	$5 \times 10$			$120 \div 10$			
	$110 \div 10$	$90 \div 10$	$12 \times 10$		$6 \times 10$			
	$1 \times 10$	$70 \div 10$			$3 \times 10$			
	$100 \div 10$	$10 \times 12$	$120 \div 10$	$3 \times 10$	$5 \times 10$	$120 \div 10$		
			$3 \times 10$	$5 \times 10$	$4 \times 10$	$6 \times 10$		
		$120 \div 10$	$5 \times 10$	$4 \times 10$	$10 \div 10$	$60 \div 10$	$120 \div 10$	
		$5 \times 10$	$4 \times 10$	$50 \div 10$	$20 \div 10$	$40 \div 10$	$7 \times 10$	
		$6 \times 10$	$120 \div 10$	$10 \div 10$	$60 \div 10$	50	$9 \times 10$	$10 \times 10$
		$3 \times 10$	$4 \times 10$	$20 \div 10$	$10 \div 10$	$30 \div 10$	$11 \times 10$	$8 \times 10$

If the answer is...

0 to 6	7 to 11	12 to 60	61 to 119	120
then colour the square	then colour the square	then colour the square	then colour the square	then colour the square
green	yellow	red	blue	black



# Pirates

## Number Bonds to 20

Can you find the missing numbers on the coins?

$$16 + \text{[coin]} = 20$$

$$\text{[coin]} + 18 = 20$$

$$20 = \text{[coin]} + 7$$

$$1 + \text{[coin]} = 20$$

$$\text{[coin]} - 11 = 9$$

$$20 - 6 = \text{[coin]}$$



$$20 = 17 + \text{[coin]}$$

$$20 - 10 = \text{[coin]}$$

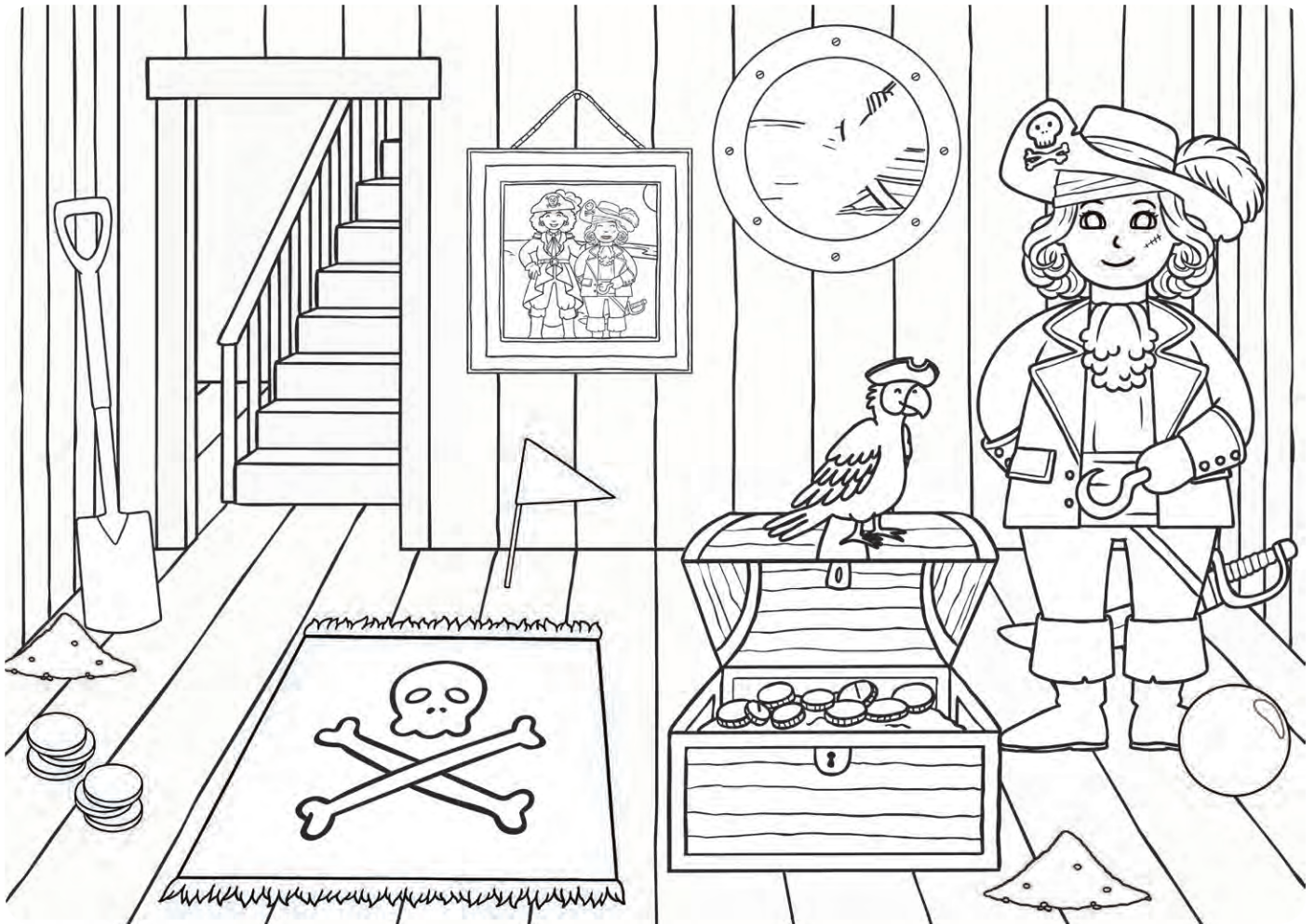
$$20 - \text{[coin]} = 8$$

$$20 - \text{[coin]} = 5$$

# Pirates

## Colour the 2D Shapes

What shapes can you find hidden around this pirate picture?



Can you find...?

4 circles



5 rectangles



2 triangles



1 square

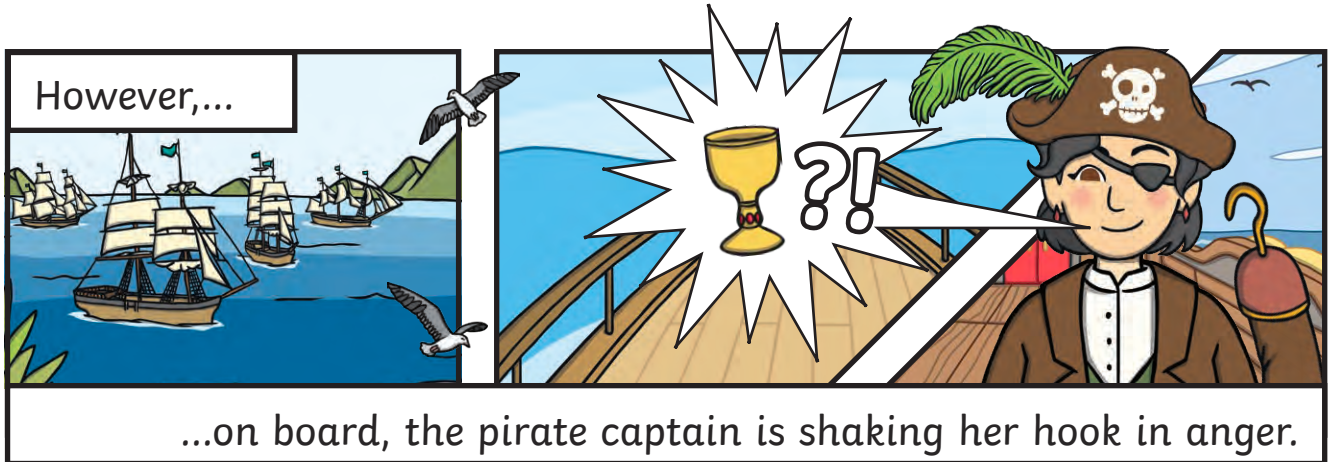




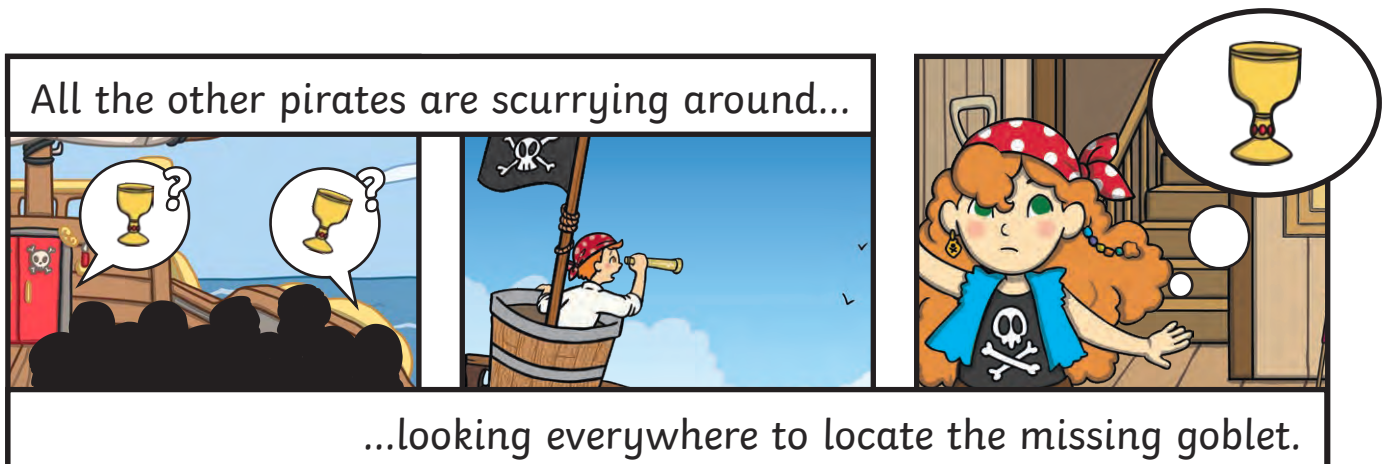
# Pirates

## The Mystery of the Missing Golden Goblet

It is a glorious, sunny morning and the flags of the pirate ship 'The Mermaid' are gently waving in the calm sea breeze.



She can't find her special golden goblet anywhere and she always has her mid-morning drink in it. It is her lucky charm and she is refusing to drink from any other cup!



They all know there will be a special reward for the person who finds it.

**Solve the maths clues to discover which lucky pirate finds the missing golden goblet and receives a ruby and sapphire medallion as their reward. Good luck!**

## Pirates: The Mystery of the Missing Golden Goblet

Name	Gender	Age	Hair Colour	Job	Location
Adam	male	25	brown	Boatswains	bow
Bo	female	31	blonde	First Mate	helm
Casper	male	40	black	Captain	cabin
Daniel	male	50	ginger	Quarter Master	deck
Emily	female	67	brown	Sailing Master	gunnel
Fran	female	71	blonde	Gunner	hatch
George	male	43	black	Powder Monkey	hull
Grace	female	35	ginger	Cook	keel
Halim	male	23	brown	Boatswains	bow
Henry	male	58	blonde	First Mate	helm
Isaac	male	68	black	Captain	cabin
Jacob	male	78	ginger	Quarter Master	deck
Isobel	female	52	brown	Sailing Master	cabin
Julio	male	46	blonde	Gunner	hatch
Magdalena	female	39	black	Powder Monkey	hull
Marcel	male	24	ginger	Cook	keel
Ola	female	67	brown	Boatswains	bow
Olivia	female	75	blonde	First Mate	helm
Samir	male	26	black	Captain	cabin
Selma	female	37	ginger	Quarter Master	bow
Terri	female	49	brown	Sailing Master	helm
Thomas	male	58	blonde	Gunner	cabin

# Pirates: The Mystery of the Missing Golden Goblet



## Clue 1: Crack the Code

Answer the maths calculations, then use the code breaker to find the first clue.

$7 + 0 = \boxed{7}$

t

$15 + 4 = \boxed{\phantom{00}}$

$20 + 2 = \boxed{\phantom{00}}$

$3 - 1 = \boxed{\phantom{00}}$

$15 + 11 = \boxed{\phantom{00}}$

$8 + 1 = \boxed{\phantom{00}}$

$19 + 3 = \boxed{\phantom{00}}$

$9 + 4 = \boxed{\phantom{00}}$

$14 + 2 = \boxed{\phantom{00}}$

$9 + 2 = \boxed{\phantom{00}}$

$16 + 10 = \boxed{\phantom{00}}$

$20 + 4 = \boxed{\phantom{00}}$

$10 + 2 = \boxed{\phantom{00}}$

$14 - 2 = \boxed{\phantom{00}}$

$11 + 5 = \boxed{\phantom{00}}$

## Code Breaker

a	b	c	d	e	f	g	h	i	j	k	l	m
26	25	24	23	22	21	20	19	18	17	16	15	14
n	o	p	q	r	s	t	u	v	w	x	y	z
13	12	11	10	9	8	7	6	5	4	3	2	1

The code says...

\_\_\_\_\_





## Pirates: The Mystery of the Missing Golden Goblet



### Clue 2: Mysterious Missing Numbers

Choose the correct answer for each missing number calculation by colouring it in.

The column with the most correct answers in it will reveal a clue about the hair colour of the pirate that found the golden goblet.

$27 + \underline{\quad} = 50$	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
$37 + \underline{\quad} = 50$	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
$29 + \underline{\quad} = 50$	<b>29</b>	<b>30</b>	<b>21</b>	<b>32</b>
$26 + \underline{\quad} = 50$	<b>14</b>	<b>24</b>	<b>34</b>	<b>44</b>
$50 - \underline{\quad} = 20$	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>
$50 - \underline{\quad} = 25$	<b>4</b>	<b>14</b>	<b>24</b>	<b>25</b>
$50 - \underline{\quad} = 10$	<b>0</b>	<b>10</b>	<b>20</b>	<b>40</b>
<b>Total</b>				
	Their hair colour isn't brown.	Their hair colour isn't blonde.	Their hair colour isn't black.	Their hair colour isn't ginger.



The pirate's hair colour isn't...

\_\_\_\_\_

## Pirates: The Mystery of the Missing Golden Goblet



### Clue 3: Cross It Off

Solve the answers to the problems.

Then, cross off the answers on the bingo card.

The clue that is not crossed off will reveal the age of the pirate that found the missing goblet.

I'm thinking of a number. I add 6. The answer is 24.

What is my number?

I'm thinking of a number. I subtract 10. The answer is 21.

What is my number?

I'm thinking of a number. I add 7. The answer is 28.

What is my number?

I'm thinking of a number. I subtract 5. The answer is 20.

What is my number?

I'm thinking of a number. I add 9. The answer is 25.

What is my number?

### Bingo Card

31

The tens digit of their age is 3.

25

The tens digit of their age is 4.

20

The tens digit of their age is 5.

18

The tens digit of their age is 6.

16

The tens digit of their age is 8.

21

The tens digit of their age is 8.

The tens digit of the pirate's age is...

\_\_\_\_\_



## Pirates: The Mystery of the Missing Golden Goblet



### Clue 4: Number Bonds Maze

Find a path through the maze colouring in number bonds to 100 to reveal the location on board the pirate ship of the person who found the golden goblet.

START	$40 + 60$	$30 + 70$	$10 + 10$	$20 + 30$	$70 + 20$
$30 + 40$	$40 + 20$	$100 + 0$	$80 + 20$	$60 + 40$	$70 + 30$
$60 + 40$	$50 + 10$	$60 + 70$	$70 + 20$	$80 + 40$	$20 + 80$
$70 + 20$	$80 + 40$	$70 + 30$	$35 + 65$	$25 + 75$	$10 + 90$
$50 + 50$	$40 + 20$	$75 + 25$	$50 + 10$	$60 + 70$	$70 + 20$
$100 + 10$	$40 + 70$	$45 + 55$	$30 + 40$	$40 + 60$	$100 + 0$
$90 + 10$	$70 - 0$	$65 + 35$	$55 + 10$	$30 + 70$	$20 + 80$
Bow	Helm	Cabin	Deck	Gunnel	Hatch

The location of the pirate who found the golden goblet is...

\_\_\_\_\_





## Pirates: The Mystery of the Missing Golden Goblet



### Clue 5: True or False

Check these maths calculations. If a calculation is right, put a tick next to it. If it is wrong, put a cross.

Then, count the number of ticks and crosses.



If there are **more ticks than crosses**, the pirate who found the goblet is **female**.



If there are **more crosses than ticks**, the pirate who found the goblet is **male**.

$40 + 20 = 0$



$60 + 20 = 80$



$25 + 75 = 100$



$40 + 50 = 90$

$53 + 23 = 75$

$0 + 0 = 3$

$20 + 20 = 41$

$21 + 5 = 26$

$23 + 11 = 34$



The pirate's who found the goblet is a...

Now, go back to the list of pirates in my crew and use your clues work out who found the golden goblet.

The pirate that found the golden goblet is \_\_\_\_\_.



# Astronauts

## Phonics Activity Mat

### Section 1

Read these words aloud.

soft

 quind

land

 zump


hunt

 dest

gulp

 vust

best

 zelt

### Section 2

Add the sound buttons to these words.

gift

tend

cost

### Section 3

Write the real words next to the chest and the nonsense words next to the bin.

melt    ipt



\_\_\_\_\_

limp    wump

\_\_\_\_\_

gift    fact



\_\_\_\_\_

kest    nift

\_\_\_\_\_

### Section 4

Colour all the words that contain the **mp** blend.



### Section 5

Write the missing sounds on these words.



\_\_\_ and



ne \_\_\_\_\_



si \_\_\_\_\_



\_\_\_ on \_\_\_



mi \_\_\_\_\_



t \_\_\_ t



la \_\_\_\_\_



\_\_\_ ank



ju \_\_\_\_\_



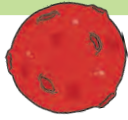
\_\_\_ nd

# Astronauts

## Phonics Checklist



Can you...?



Extend this sentence using the conjunction 'if'.

I will put on my coat...

---



---



---

I did it!



Can you...?

Underline the sentence that makes sense.

I work on the computer before lunch yesterday.

I worked on the computer before lunch yesterday.

I did it!



Can you...?



Write a statement sentence about this picture.

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---



---

I did it!



Can you...?

Match the pictures up with their correct homophone.

**I**  
**eye**  
**flower**  
**flour**



I did it!



Can you...?

Underline the nouns in this sentence.

Their uncle drove his car slowly down the long, windy lane.



I did it!



Can you...?

Tick the command sentence.

I love Sports Day.

When is Sports Day?

Ready, steady, go!

I did it!



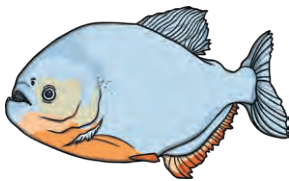
# Astronauts

## Alien's Fact File: The Amazing Amazon River

### Amazon River



Flowing from the Andes Mountains, the Amazon river is the second longest river in the world, measuring 6,347km in length. The river runs through Ecuador, Venezuela, Brazil, Colombia, Guyana, Peru and Bolivia in South America.



Amazingly, there are 3,000 species of fish that live in the river with new species being discovered all the time. The Amazon river is also home to the piranha, which is a meat-eating fish!

### Did You Know...?

Crossing the Amazon must be done by boat because there are no bridges.



During the wet season, the Amazon river grows and can reach over 190 kilometres in width. However, there are no bridges that cross the river. The largest city along the Amazon is Manaus in Brazil. The city is home to around 1.7 million people.



## Astronauts - Alien Fact File: The Amazing Amazon River



1. Number the countries below from **1 to 7** to show the order that they are listed in the text. The first one has been done for you.

Brazil

Peru

Venezuela

Guyana

Bolivia

Ecuador

Colombia



2. How many species of fish live in the Amazon river? Tick one.

1.7 million

6,347

3,000

190



3. Find and copy **two** words the author uses to talk about the river's movement.

\_\_\_\_\_



4. Would it be safe to swim in the Amazon river?  
Explain your answer.

\_\_\_\_\_

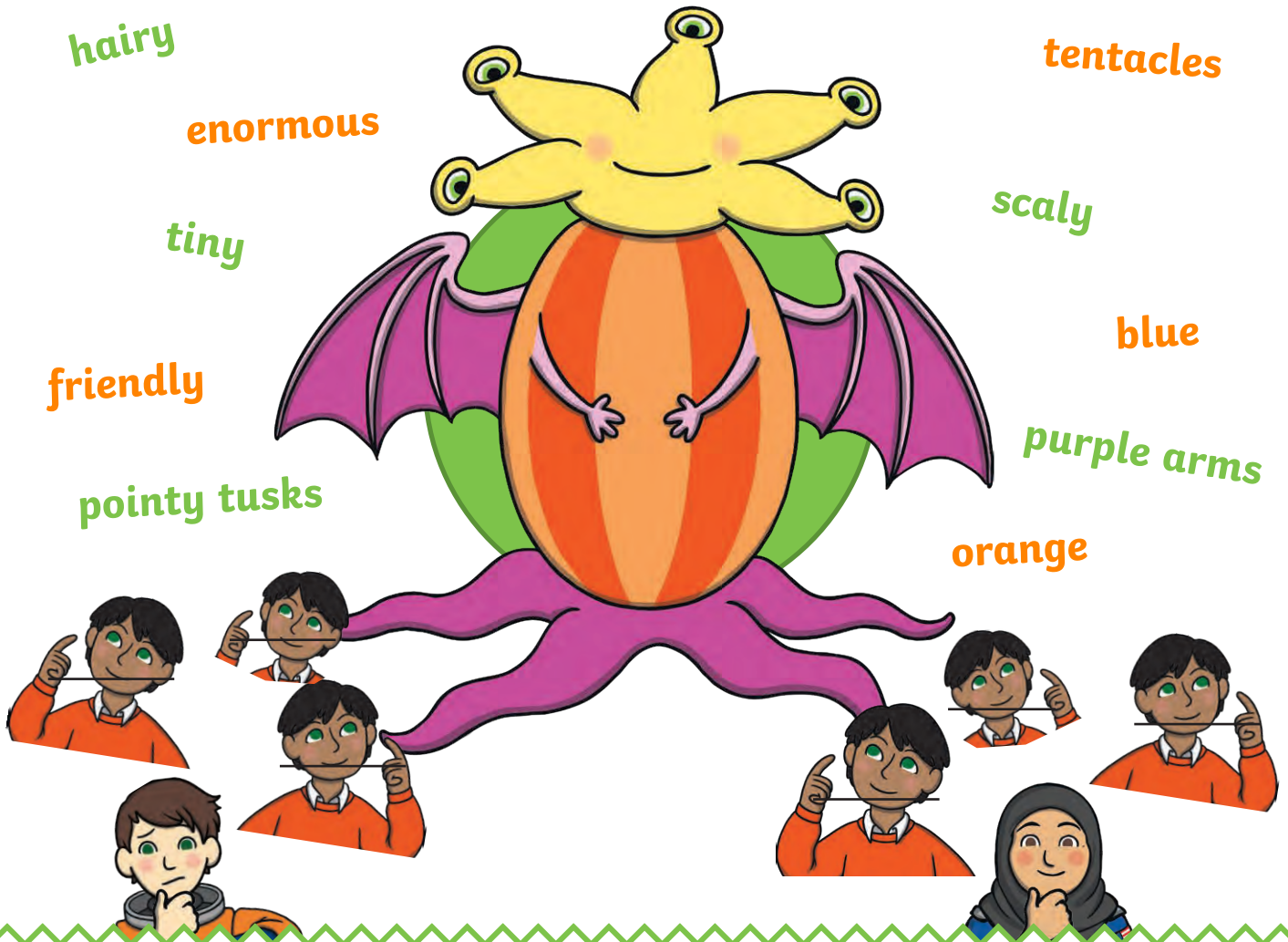
\_\_\_\_\_

\_\_\_\_\_

# Astronauts

## Describe the Alien

Circle the words and phrases that describe this alien.  
Can you add any of your own?



Use those words to write some sentences to describe the alien.

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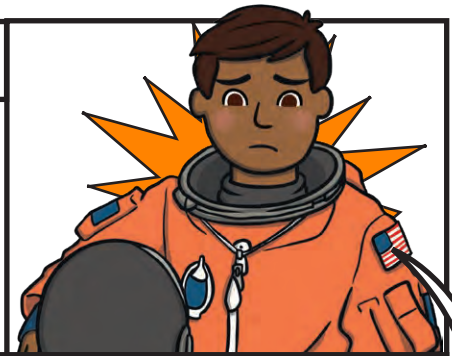
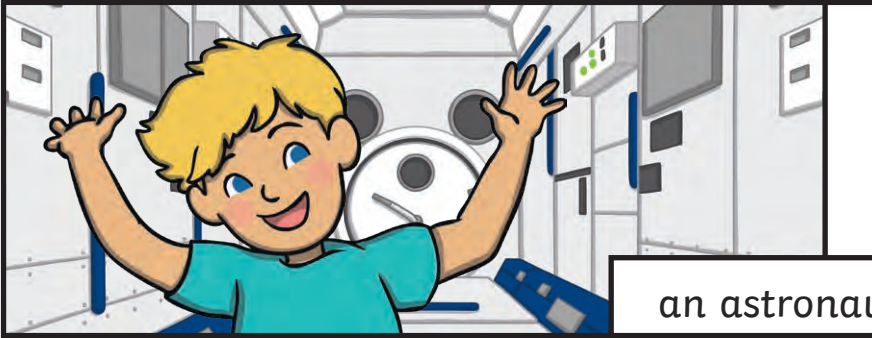


# Astronauts

## The Mystery of the Spacesuit Snatcher

The children of Class 2 have been taken on an amazing school trip to the International Space Station! It has been a truly incredible trip...

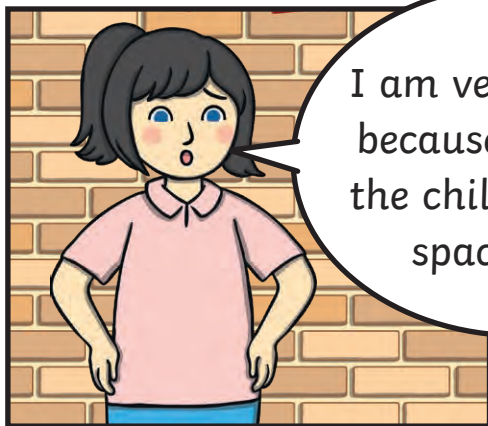
But, just as Class 2 were eating their lunch,



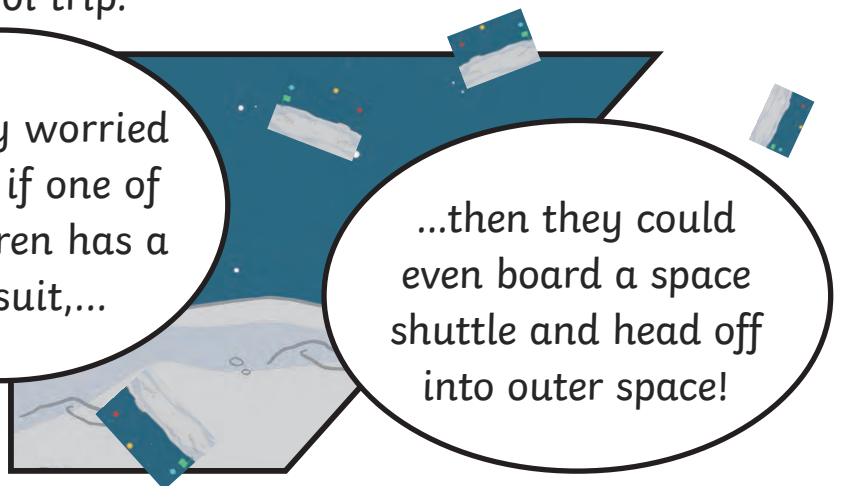
an astronaut ran in to say that

One of the Space Station's spacesuits had gone missing!  
One of the children in Class 2 must have taken it on  
the tour and hidden it somewhere!

Miss Jones and the astronauts have put **you** in charge of finding out who took the spacesuit. You have taken down the names and descriptions of all the children on the school trip.



I am very worried  
because, if one of  
the children has a  
spacesuit,...



...then they could  
even board a space  
shuttle and head off  
into outer space!

To crack the case, you will need to solve each clue and check the information with the list of names. There are only two hours left until Class 2 are due to leave. Will you be able to follow the clues and find the missing spacesuit and catch the spacesuit snatcher in time? Good luck!

## Astronauts: The Mystery of the Spacesuit Snatcher

Surname	First Name	Shoe Size	Hair Colour	Eye Colour	Packed Lunch
Bradley	Henry	1	brown	blue	cheese sandwich
Kamil	Ola	2	blonde	brown	pasta salad
Williams	Noah	1	brown	brown	salad sandwich
Dominik	Daniel	3	brown	blue	peanut butter sandwich
Brooke	Isla	1	ginger	green	cheese sandwich
Dilek	Ibrahim	1	black	brown	salad sandwich
Davis	Alfie	3	ginger	blue	sushi
Bana	Adnan	2	black	brown	tuna sandwich
Evans	Poppy	2	brown	grey	jam sandwich
Bailey	Jayden	1	black	brown	peanut butter sandwich
Thomas	Jacob	3	brown	grey	jam sandwich
Tomek	Malik	2	brown	grey	salad sandwich
Roberts	Ava	2	blonde	blue	ham sandwich
Rehan	Aisha	1	black	brown	tuna wrap
Baker	Layla	1	brown	green	cheese sandwich
Edwards	Ruby	3	blonde	brown	pasta salad
Wright	Leo	1	brown	green	pasta salad
Navbir	Devinder	2	black	brown	ham sandwich
Robinson	Salma	1	brown	blue	chicken wrap
Zhang	Li	1	black	brown	cheese sandwich

## Astronauts: The Mystery of the Spacesuit Snatcher



### Clue 1: A Capital Crime

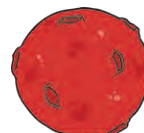
In the empty spacesuit case, a note has been found. It has been written by the spacesuit snatcher but their punctuation is not very good. Lots of capital letters are missing from their writing.

Circle the letters which need to become capitals and write the words correctly below. The letter which is most commonly incorrect is the first letter of the spacesuit snatcher's surname.

by now you have discovered what I have done!  
the spacesuit was so shiny and looked so  
exciting i just couldn't resist taking it when  
miss jones wasn't looking but it is hidden so  
well, you will never find it!

by the time you work out who I am, it will be  
too late! i plan to visit mars and venus and be  
back at school by next friday. bye bye class 2.

The Spacesuit Snatcher



### Incorrect Words

The letter which was most commonly incorrect was

so the spacesuit snatcher's surname begins with \_\_\_\_\_.





# Astronauts: The Mystery of the Spacesuit Snatcher



## Clue 2: Following the Sandwich Crumbs

A trail of sandwich crumbs have been discovered, leading from Class 2's lunch boxes to the case where the spacesuit was kept. But what kind of sandwich crumbs are they?

Decide on the correct suffix the word should end in each time to stay on the right path and find the culprit's sandwich filling.



I think the spacesuit thief is such a disappoint .

-ment

-ness



I am very hope  we will catch the thief.



I don't know anyone clever  than the spacesuit thief.

-ful

-less

-er

It is thought  to spoil the trip.

-est



The thief is the mean  person in Class 2.

-ful

-less



This school trip has been full of excite .

-est

-er



cheese



tuna



salad



ham



jam



peanut butter

-ment

-ness

The spacesuit snatcher has a...

\_\_\_\_\_ sandwich for their packed lunch.



# Astronauts: The Mystery of the Spacesuit Snatcher



## Clue 3: Alien Word Classes

Some aliens living outside the space station want to help you solve the crime! They spotted the spacesuit being stolen and they are trying to communicate to you through the space station windows.

Look at the words the aliens are holding up and fill in the table below to sort them by word class. The number of adverbs is the same as the thief's shoe size.



nouns

verbs

adjectives

adverbs

The number of adverbs is  so...

the spacesuit was stolen by someone with size \_\_\_\_\_ feet.



# Astronauts: The Mystery of the Spacesuit Snatcher



## Clue 4: Intergalactic Word Clues

Your task is to finish the astronauts' sentences. Then, use their handy codebreaking machine to spell out another clue about the spacesuit snatcher.

The word 'slowly' is an \_\_\_\_\_.

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

**The moon is orbiting the Earth.**

This sentence is written in \_\_\_\_\_ tense.

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

A statement must end in a full \_\_\_\_\_.

--	--	--	--

'Spacesuit' is a compound \_\_\_\_\_.

--	--	--	--


**The gleaming, eerie space shuttle.**

This is an example of a \_\_\_\_\_ phrase.

--	--	--	--

The past tense of the verb '**to throw**' is \_\_\_\_\_.


--	--	--	--	--

 This punctuation symbol is called a \_\_\_\_\_.

--	--	--	--	--

The words **helpful** and **careful** end in the \_\_\_\_\_ '-ful'.

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

 This punctuation symbol is called an exclamation \_\_\_\_\_.

--	--	--	--

When put together, the letters in red boxes spell...

\_\_\_\_\_. The spacesuit snatcher's hair must be \_\_\_\_\_.





## Astronauts: The Mystery of the Spacesuit Snatcher



### Clue 5: Space Sentence Forms

Read each sentence and decide which sentence form it is.

When you have completed them all, use the key below to work out the spacesuit snatcher's eye colour.

The International Space Station was launched in 1998.

**Command**

**Question**

**Statement**

**Exclamation**

How many planets are in our solar system?

**Command**

**Question**

**Statement**

**Exclamation**

Will you be able to solve the crime in time?

**Command**

**Question**

**Statement**

**Exclamation**

What a sneaky thing to do that was!

**Command**

**Question**

**Statement**

**Exclamation**

Put the spacesuit back.

**Command**

**Question**

**Statement**

**Exclamation**

Who could have done something so naughty?

**Command**

**Question**

**Statement**

**Exclamation**

**blue eyes**

If most sentences are **commands**

**grey eyes**

If most sentences are **statements**

**green eyes**

If most sentences are **questions**

**brown eyes**

If most sentences are **exclamations**

The spacesuit was taken by someone who has  eyes.

Now, go back to the list of pupils in Class 2 and use your clues work out who the spacesuit snatcher is.

The spacesuit snatcher is \_\_\_\_\_.

