Year 6

Independent Maths & English Work Booklet

2



twinkl
visit twinkl.com

Football-Themed Code Breaker

Solve the calculations and use the code breaker to spell out football-themed skills.

A	B	C	D	E	F	G	H	I	J	K	L	M
3	10	18	16	1	21	9	14	24	6	19	12	4

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
7	13	20	25	5	23	11	26	22	15	2	17	8

1.

	Answer	Letter
$\frac{2}{3}$ of 21		
$\frac{1}{10}$ of 10		
$\frac{1}{3}$ of 9		
$\frac{4}{5}$ of 20		
$\frac{1}{5}$ of 5		
$\frac{1}{6}$ of 30		

2.

	Answer	Letter
$\frac{1}{4}$ of 44		
$\frac{1}{6}$ of 18		
$\frac{3}{4}$ of 24		
$\frac{1}{2}$ of 38		
$\frac{2}{3}$ of 18		
$\frac{1}{6}$ of 6		

3.

	Answer	Letter
$\frac{3}{4}$ of 28		
$\frac{1}{4}$ of 20		
$\frac{1}{7}$ of 7		
$\frac{1}{12}$ of 12		
$\frac{1}{3}$ of 57		
$\frac{4}{5}$ of 30		
$\frac{6}{7}$ of 21		
$\frac{1}{10}$ of 190		

4.

	Answer	Letter
$\frac{2}{5}$ of 35		
$\frac{1}{5}$ of 15		
$\frac{4}{5}$ of 15		
$\frac{3}{7}$ of 49		
$\frac{2}{3}$ of 33		
$\frac{1}{2}$ of 26		
$\frac{3}{4}$ of 16		
$\frac{2}{3}$ of 18		
$\frac{1}{100}$ of 100		
$\frac{1}{2}$ of 34		

5.

	Answer	Letter
$\frac{4}{7}$ of 28		
$\frac{1}{5}$ of 25		
$\frac{4}{5}$ of 30		
$\frac{1}{5}$ of 50		
$\frac{2}{5}$ of 25		
$\frac{4}{7}$ of 21		
$\frac{2}{5}$ of 60		
$\frac{1}{7}$ of 49		
$\frac{3}{5}$ of 15		



visit twinkl.com

Year 6 Maths Activity Mat

Section 1

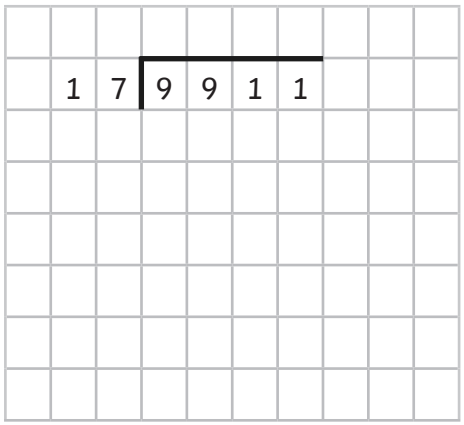
In the number 3 927 381, what is the value of the two 3 digits?

Section 2

A stationery store has 2543 pencils in stock. The shop orders a further 1368 pencils and then sells 928 pencils in a month. How many pencils does that shop have left?

Section 3

Calculate:



Section 4

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

$\frac{7}{4}$		$\frac{3}{2}$
$\frac{7}{6}$		$\frac{4}{3}$
$\frac{13}{2}$		$\frac{39}{6}$

Section 5

Calculate:

0.02 × 7 =

0.06 × 5 =

0.08 × 6 =

Section 6

5 miles = 8 km

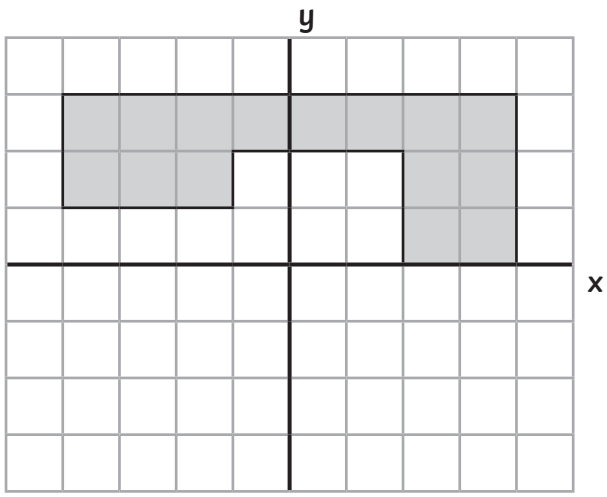
How many kilometres in 205 miles?

Section 7

Draw an isosceles triangle.

Section 8

Reflect this shape about the **x**-axis.

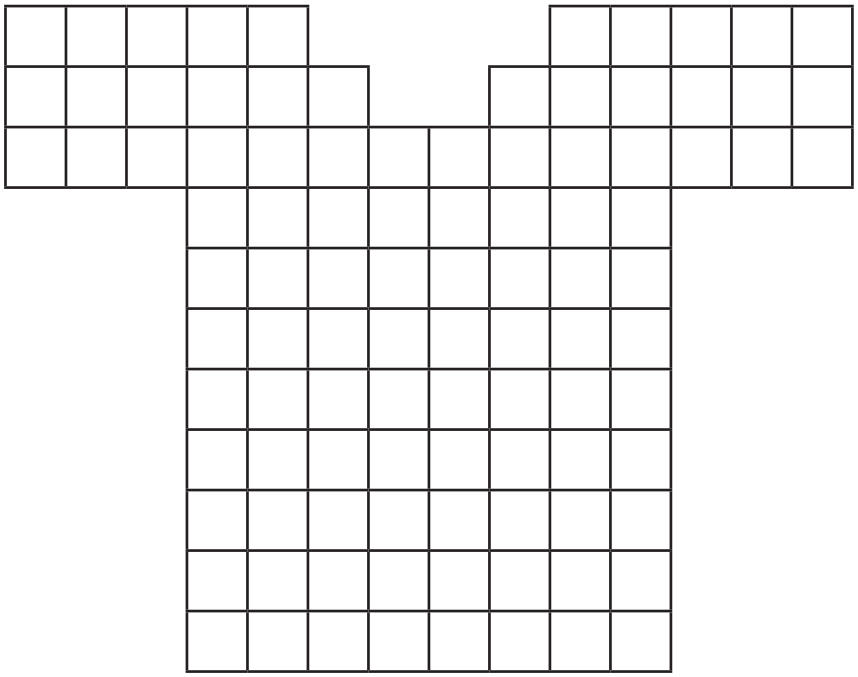


visit twinkl.com

Football Shirt Stained Glass Fractions

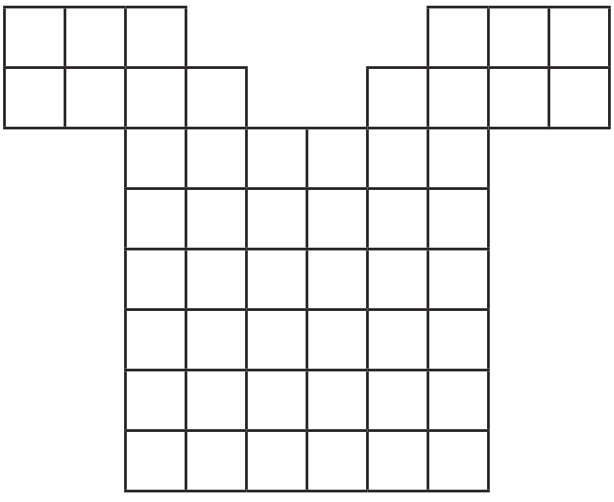
Colour the football shirt, stained-glass fraction windows to match the fractions listed.

1.



	Blue	Red	Green	Yellow	White
Fraction	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{1}{10}$	$\frac{1}{20}$
Number of Parts					

2.



	Blue	Red	Green	Yellow
Fraction	$\frac{1}{5}$	$\frac{2}{5}$	$\frac{1}{10}$	$\frac{3}{10}$
Number of Parts				

visit twinkl.com

Football-Themed Decimal Calculations Mosaic

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

green = **answer has 2 tenths**	skin colour of your choice = **answer has 3 tenths**	blue = **answer has 4 tenths**	yellow = **answer has 5 tenths**	black = **answer has 6 tenths**	red = **answer has 7 tenths**	hair colour of your choice = **answer has 8 tenths**

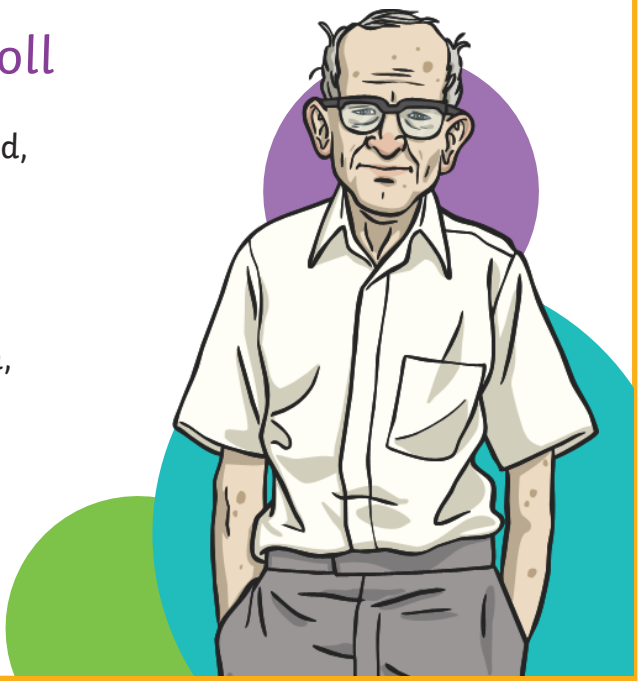
0.8 + 8.6	1.9 − 0.5	2.5 − 1.7	2.3 + 4.5	8.9 − 2.1	1.7 + 4.7	1.7 − 1.3	1.2 + 5.2	1.1 − 0.7
2.2 − 0.8	2.8 + 1.6	0.3 + 1.3	8.6 + 3.7	1.9 − 1.3	2.5 − 1.1	6.1 + 9.3	2.4 − 1.7	3.6 − 0.2
8.7 + 3.7	3.3 − 1.9	2.5 − 1.2	2.3 + 9.4	8.6 − 2.3	8.2 + 3.2	4.8 − 2.4	3.8 − 0.1	9.6 + 2.8
4.5 − 2.1	3.3 + 4.1	5.1 − 3.7	5.5 + 9.8	8.6 + 4.8	7.9 − 2.5	3.1 + 3.3	5.9 + 7.4	7.6 − 3.2
5.2 + 0.2	0.8 + 5.7	1.2 − 0.7	0.9 + 2.6	2.6 − 0.1	6.1 + 0.4	8.7 − 1.3	3.8 − 2.3	3.8 + 4.6
9.7 − 1.2	3.3 + 7.1	8.6 + 2.9	4.9 − 1.4	6.2 + 3.3	9.3 − 4.9	8.3 − 6.8	0.1 + 7.3	9.2 − 0.8
5.1 − 0.8	0.7 + 2.5	0.4 + 6.2	2.3 − 0.7	5.9 + 8.7	2.3 − 1.1	0.9 + 8.3	0.5 − 0.3	3.5 + 0.7
9.6 + 1.6	2.9 − 0.7	3.7 − 1.1	6.6 + 6.6	1.1 − 0.5	7.5 + 2.7	3.5 − 1.3	1.1 + 0.1	3.6 − 0.4
4.1 − 0.9	2.8 + 7.4	1.5 + 3.8	5.9 − 1.7	6.4 − 1.1	2.7 + 9.5	4.3 − 0.1	6.4 − 1.2	9.4 + 6.8
3.6 + 8.6	4.7 + 0.9	8.8 − 2.2	6.8 + 6.4	4.4 − 0.8	7.8 + 0.8	7.6 − 2.4	5.4 + 5.8	10.5 − 3.3

Challenge: Write five different calculations involving adding or subtracting decimals which give answers that have 9 tenths.

visit twinkl.com

Father William by Lewis Caroll

"You are old, Father William," the young man said,
"And your hair has become very white;
And yet you incessantly stand on your head –
Do you think, at your age, it is right?"
"In my youth," Father William replied to his son,
"I feared it might injure the brain;
But, now that I'm perfectly sure I have none,
Why, I do it again and again."



1. Why did Father William used to worry about standing on his head?

_____

2. 'You are old, Father William...'
List two other ways the poet has shown that Father William is an old man.

_____

_____

3. Tick true or false in the following table:

	True	False
Father William's hair wasn't always white.		
Father William occasionally stands on his head.		
The young man is Father William's son.		

4. Looking through the extract of the poem, do you think Father William should continue to stand on his head? Why/why not?

_____

_____

_____

visit twinkl.com

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 13 of his Y5/Y6 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?

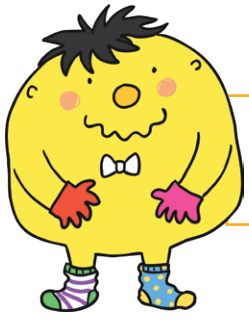


Activity 2

There was great controuversey at the football match on Saturday when my local team, Whoopsville United, played their local rivals, Grimthorpe Rangers. As soon as the first ball was kicked, it was imediatly aparant that the temperiture on the pitch was going to be heated. Tackles were flying in at every oppurtunity and the referee was finding it espechially difficult to keep control. It was a good job that he was equipt with his yellow card! After what must have been the twelth awkwurd tackle in the box and many bruwses, the referee had no choice but to award a penalty to the home team in the 93rd minute. A quew of Grimthorpe players surrounded him and began to create a nuwsiance. The referee didn't welcome the tirade of abuse he was receiving so he gave two red cards to the players who had seemed to harrass him the most.

Mr. Whoops needs to practise these words:

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



Thanks for sorting these for me...I do get myself in an awful pickle sometimes!

visit twinkl.com

Quick Write: **Sports**

Collecting Vocabulary

Write down nine ambitious words to describe this picture.

Quick Questions

Write your answers on the back of your sheet.

1. Why do you think that the camera was placed under the water?
2. If this picture was on the front page of a newspaper, what might the headline be?
3. Why do you think that the photographer took this picture?

Closing Lines

Write the ending to a story based on this picture.



Name It

Give this picture a title.

Give Your Opinion

Could you win in a swimming race against your best friend?

Circle **YES** or **NO**

Give a reason for your answer that includes the word 'for'.

Quote It

Write one line of correctly punctuated speech that a nearby lifeguard might say.

visit twinkl.com

SPaG Mat

Section 1

Can you write a passive sentence about the picture?



_____

_____

_____

_____

Section 2

Look at the choices of words within the brackets. Circle the correct word to fit the sentence:

The school council (disgust/discussed) their ideas for the new playground equipment.

Not being a lover of vegetables, Aaron looked at the sprouts on his plate with (disgust/discussed).

Section 3

Read the sentence below and underline the two words that are synonyms of each other:

Sprinting for his life, Gary was running away from a rampaging bull.

Section 4

Mr Whoops has accidentally jumbled up two adjectives that he used to describe his latest clumsy accident. Can you help him to unjumble them?

DWKWAAR SRIASTUODS



_____

Section 5

Add a suffix to the word 'excite' to create a noun:

_____

Section 6

Add a semicolon to mark the end of the independent clause and add another related clause to the sentence.

The train rushed past the station platform _____

_____

_____

_____

_____.



visit twinkl.com

The Obstacle Course Catastrophe

It's the morning of Sports Day at Wittenberry Junior School and a catastrophe has occurred. The obstacle course had been built but someone has cut a large hole in the net, meaning the race will now be impossible to run.

As Detective Chief Inspector on the case, it is your job to find out which participant sabotaged the equipment. You have taken down the names and descriptions of 30 children who helped to set up the Sports Day equipment. There are also five important clues that have been discovered on the school field.

To crack the case, you will need to solve each clue and check the information with the list of names. Will you be able to solve the mystery and return the correct equipment before Sports Day is over?

Good luck!



visit twinkl.com

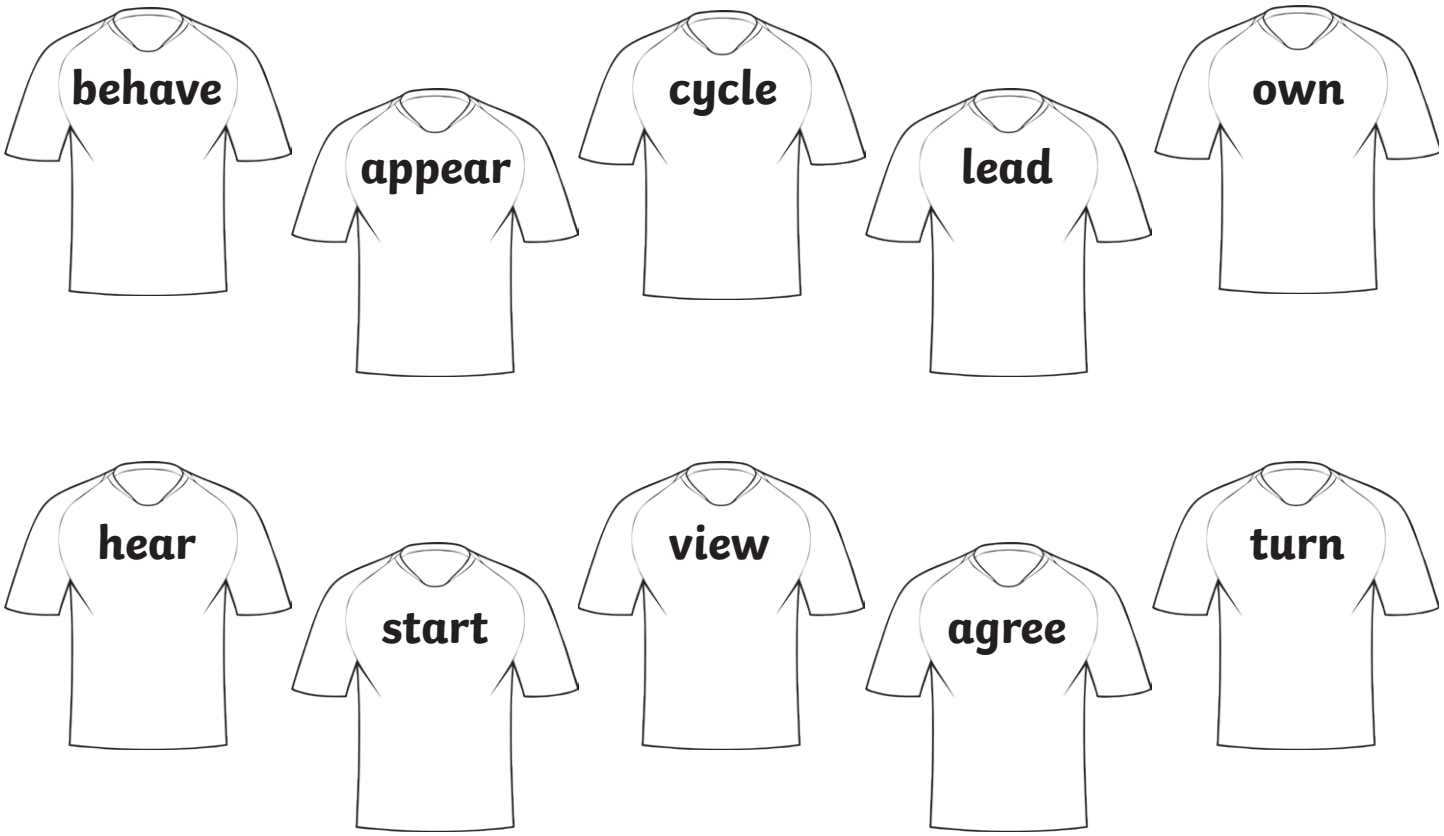
Child's Name	Male or Female?	Year Group	Team Colour	Do They Wear Glasses?	Sporting Strength
Alfie Dunn	male	3	yellow	yes	football
Ava Amos	female	4	green	yes	cricket
Bert Budd	male	3	blue	yes	basketball
Billie-May Moss	female	5	red	no	football
Clara Cross	female	5	green	no	cricket
Craig Smith	male	6	green	no	basketball
Dez Daho	male	3	red	yes	cricket
Erin Gael	female	6	blue	no	cricket
Frida Kale	female	4	green	no	cricket
Greg Thorpe	male	6	red	yes	football
Henrietta Hope	female	3	yellow	yes	basketball
Honour Jones	female	4	red	no	basketball
Isma Kalid	female	5	blue	yes	cricket
JoJo Franz	female	3	green	no	football
Julien Johns	male	6	yellow	yes	football
Kali Koupe	female	4	blue	yes	basketball
Keiko Fujisawa	female	5	red	no	basketball
Kevin Long	male	4	green	yes	cricket
Masano Hedger	female	3	red	yes	football
Mitchell Osborne	male	4	yellow	yes	football
Opal Cruise	female	5	yellow	no	football
Pawel Gustav	male	4	blue	no	cricket
Penelope Price	female	6	green	no	basketball
Renee Cruz	female	3	red	yes	basketball
Robert Green	male	6	blue	no	basketball
Saoirse McMonagh	female	4	green	no	football
Tomasz Fritz	male	5	blue	no	basketball
Tula Zaha	female	3	yellow	yes	football
Verity Hahn	female	6	blue	no	cricket
Zeta Middleton	female	5	yellow	yes	cricket

The obstacle course was tampered with by _____

visit twinkl.com

Clue 1 **Prefix Participants**

Match the words below to the correct prefix to make a verb. Some of the words will match with more than one prefix. The prefix with the most matching words will reveal the colour of the culprit's sports day team.





The prefix with the most matching words is _____

so the culprit was in the _____ team.

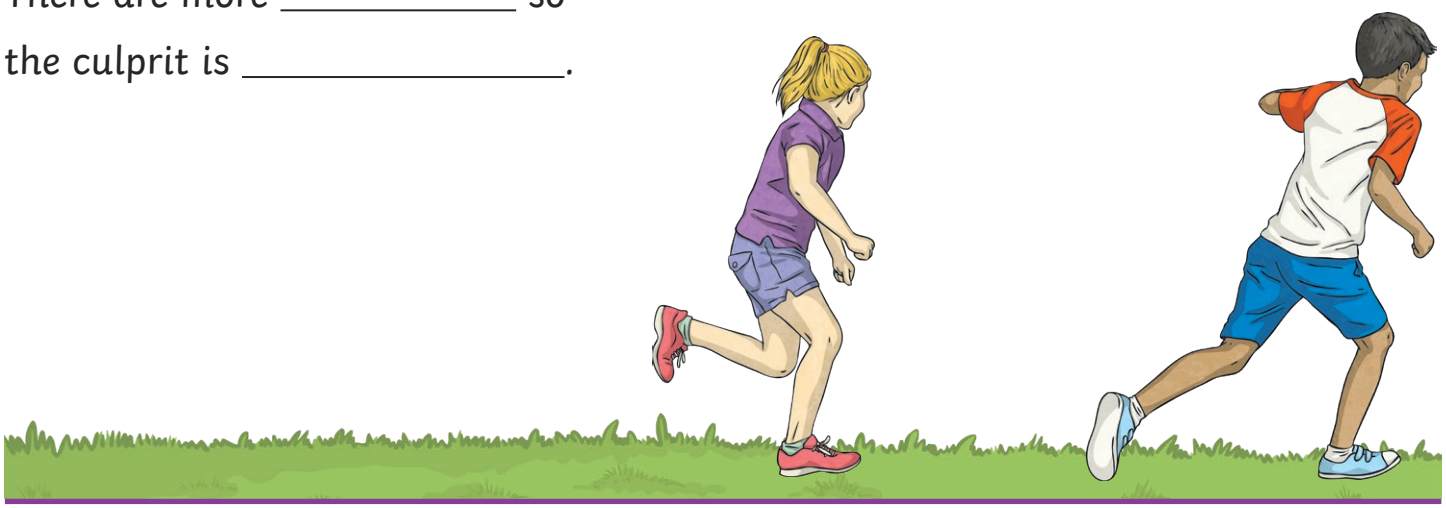
visit twinkl.com

Clue 2 **Is It Possible?**

These statements all indicate degrees of possibility, but do they use **adverbs** or **modal verbs**? If there are more adverbs, then the culprit is female. If there are more modal verbs, then the culprit is male.

Statement	Adverb or Modal Verb?
Certainly, I helped to set up the obstacle course this morning.	
My mum is probably going to take part in the parents' race - she loves running.	
I cannot wait to take part in the races this afternoon.	
We might be able to sew the net back together.	
As I was setting up the egg and spoon race, I saw a boy with some scissors – maybe he was the one who cut the net.	
I am definitely winning the skipping race after all the practice I've put in.	

There are more _____ so the culprit is _____.



visit twinkl.com

Clue 3 **Sporty Synonyms**

While they wait for the mystery to be solved, the KS2 pupils have been thinking of exciting synonyms for different words. The year group that has thought of the most synonyms for their word will reveal the year group of the culprit.

unhurried rapid delighted
forlorn elated despondent woeful
steady speedy jovial
zippy ecstatic

sad 3

happy 4

slow 5

fast 6

The list with the most synonyms is for the word _____ so the culprit is in year _____.

visit twinkl.com

Clue 4 **Catch the Correct Clause**

Within the police descriptions of the children, many of the relative pronouns are missing! Can you fill in the gaps with **who**, **whose** or **which**?

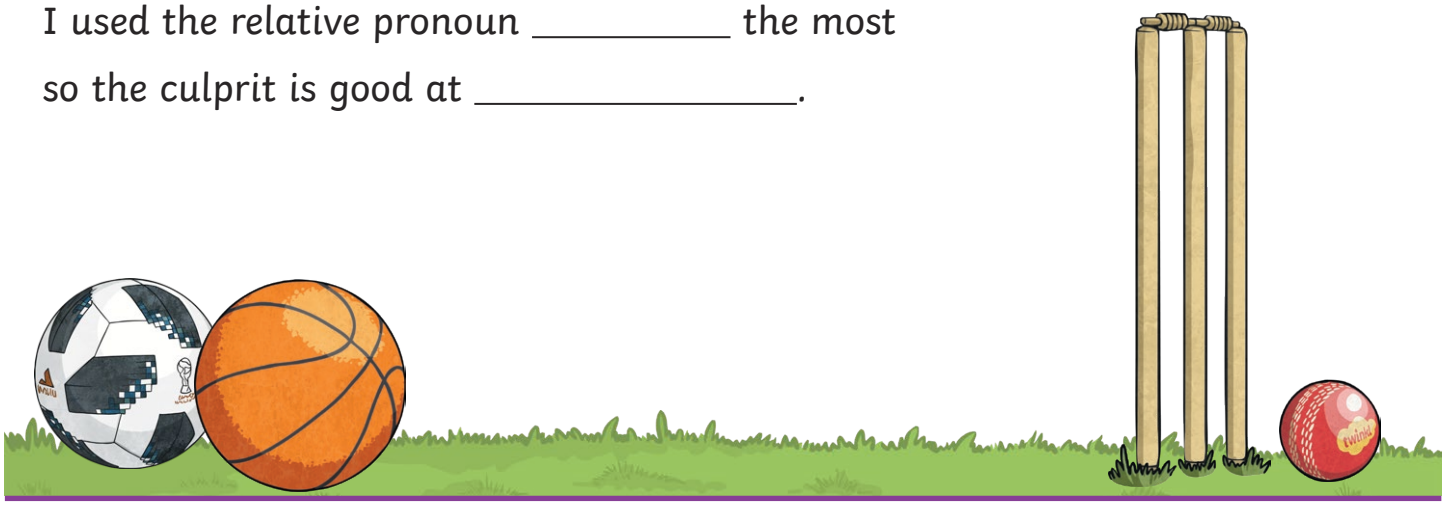
If you use **who** most, the culprit is great at **cricket**.

If you use **whose** most, the culprit is amazing at **basketball**.

If you use **which** most, the culprit is phenomenal at **football**.

Sentence with Relative Pronoun Missing	Who, Whose or Which?
Bert, _____ is in the Blue team, loves playing football.	
The basketballs, _____ were in the PE cupboard, have all been pumped up ready for Sports Day.	
Frida, _____ parents are coming to watch Sports Day, is most excited about the obstacle course.	
Despite missing out on the final relay place, Kali, _____is new to the school, wasn't too upset.	
Zeta, _____ favourite sport is tennis, is most excited about the egg and spoon race.	
Henrietta is wearing her dad's yellow t-shirt, _____ is too big for her.	
Tomasz, _____ is very tall, can't wait for the basketball game.	

I used the relative pronoun _____ the most so the culprit is good at _____.



visit twinkl.com

Clue 5 **Race to the Finish Line**

Find your way through this maze of sentences (vertically or horizontally) by following the passive pathway and avoiding the active accidents.

At the end of your journey, you will discover whether or not the culprit wears glasses.

Start			
The net was cut by one of the pupils.	Sports Day was delayed by the incident.	Renee Cruz has been practising for the egg and spoon race all week.	The delayed Sports Day devastated the pupils of Wittenberry Junior School.
The incident delayed Sports Day.	The culprit will be discovered by the Detective Chief Inspector.	One of the pupils cut the net.	Mr Clarke is very excited about the teachers' race!
The Detective Chief Inspector will discover the culprit.	The yellow team will be captained by Mitchell Osborne this year.	The headteacher will present the medals.	Penelope Price is the captain of the green team this year.
Keiko Fujisawa is the red team's captain this year.	The pupils of Wittenberry Junior school were devastated by the delayed Sports Day.	The medals will be presented by the headteacher.	Mrs Smith loves marshalling the event.
This year, Pawel Gustav will captain the blue team.	Lots of parents will soon arrive to watch their children compete in the races.	Every skipping race has been won by Erin Gael since she started at Wittenberry Junior School.	Sports Day should start at 1 p.m.
			

The culprit _____ wear glasses.

visit twinkl.com