

Week (29.6.20 – 3.7.20) overview – Sports and Getting Active

Hello Year 5,

Welcome to another week! We hope you enjoyed the beautiful sunshine of last week and are now ready to get active around theme of sports and hobbies this week. Thank you for sending in your fabulous pictures of your Banksy inspired work and mythical creatures from recent weeks. These have been fabulous. Be sure to check out the home learning photo gallery on our website to see what people have been doing. Remember if you email anything through to us we will reply personally and can offer help or feedback on your learning.

This week would have been our sports day week in school. So even from our homes, we can take part together and enjoy getting active and being part of our One Family together even though we are apart. There is a link to our school sports day events and even a certificate for you to download. <https://www.st-marys-jun.hants.sch.uk/page/?title=Virtual+Sports+Day+2020&pid=358>

We hope you enjoy this week and have fun!

Many thanks and best wishes, The Year 5 team

Day	Subject	Name of Activity	Description of what to do (only if needed – most of this is obvious from the sheet but look here if stuck)	What are we learning?
1	Spellings	High frequency spelling words		Can I spell and understand the Year 5 / 6 spellings? Use different strategies to learn the year 5 and 6 spelling words
1	Reading	Secrets of the Dragon World	Read the opening page from Secrets of the Dragon world book. Find out meanings of words you don't know.	Can I understand what I have read and clarify unknown words?
1	Writing	Football Fame Ed City ☺		Can I use colons, semi-colons and dashes to mark boundaries between independent clauses?
1	Maths	Game On (Ed City ☺)		Can I add and subtract whole numbers with more than 4 digits, including using formal written methods?
1	Physical Education	A-Z of Sports and sports activities	Also try out some of the activities saved at the end of this pack. Check out Mr Whincup's daily activities too that you could try.	Can I use my imagination? Create an A-Z list of sports
2	Science	What will happen to my heart rate when I do different exercises?	Task 1 - finding your pulse and taking your resting pulse rate Task 2 – planning and predicting	Can I plan a fair test?
2	Reading	Secrets of the Dragon World		Can I summarise what I have read? See in pack for details
2	Writing	Jungle dash Ed City ☺		Can I use a range of punctuation to mark boundaries between clauses? See in pack for details
2	Maths	Robo Stop Ed City ☺		Can I use mental addition for up to six digit numbers? See in pack for details
3	Reading	Wimbledon	Read and text mark the information about Wimbledon. Write out 6 facts that you have learnt from the text.	Can I understand what I have read and read for enjoyment?
3	Writing	Quick Write: Sports		Can I practice different writing skills? See in pack for details
3	Maths	Ranger Zone Ed City ☺		Can I solve two step problems using adding and subtracting? See in pack for details

3	PE and Science	Heart Rate investigation	Carry out your investigation today. Think about keep safe and warming up your body before exercising.	Can I carry out a fair test?
4	Reading	Wimbledon	Answer the questions based on yesterday's Wimbledon reading	Can I answer retrieval and inference questions based on what I have read?
4	Writing	Story of a football ball	See in pack for details	Can I write a story based on the life of a football?
4	Maths	Reach 100	See in pack for details	Can I use my adding and subtracting skills to solve problems?
4	Science / PE	Heart Rate investigation	See in pack for details	Can I present and evaluate my data?
5	Reading	Fri-yay reading	Spend time enjoying your reading today. It could be a magazine, a non-fiction book or listening to an audible book on amazon audible. (see links). Write a new blurb for the back cover of a book that you have read? How would you get someone interested in the book to read it for themselves?	Can I enjoy my reading?
5	Writing	Writing instructions	See in pack for details	Can I write instructions for a game?
5	Maths	Multiplication Skills catch up	The Master and Master Master question sheets have been included in this pack – can you do them each correctly? Can you do them in less than 5 minutes? Then use Mathematics or Education city (see below) Can I practice an area of learning I am finding hard? USE MATHEMATICS FOR THIS – NOTHING IN THE PACK TO GO WITH THIS Use Mathematics to work on an area of learning you find challenging – fractions perhaps or converting measures – two areas that many of you find a challenge.	Can I get active and have fun? Using the ideas from the virtual sports day ideas pack from the St Mary's website (see link below). Can I spell this week's spelling words? Ask someone to test you on this week's words. Can you say the words in a sentence?

Useful Websites to accompany the learning for this week

Description	Link – easy to click on an onscreen copy, but if working from a paper copy the TinyURL will take you to the same place and is less complicated to type in	Tiny URL – shorter link, easier to type in if working from a paper copy
St Mary's Sports Day link	https://www.st-marys-jun.hants.sch.uk/page/?title=Virtual+Sports+Day+2020&pid=358	https://tinyurl.com/vacat5pg

Can I spell and understand year 5 / 6 spelling words?

available

category

average

cemetery

awkward

committee

bargain

communicate

bruise

community

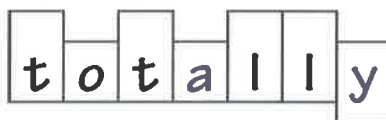
Use strategies that you enjoy to help learn and understand these words for this week:

Quickwrite:

Writing the word as many times as you can in 2 minutes.

Drawing around the word to show the shape

Draw around the words making a clear distinction in size where there are ascenders and descenders. Look carefully at the shape of the word and the letters in each box. Now try to write the word making sure that you get the same shape.



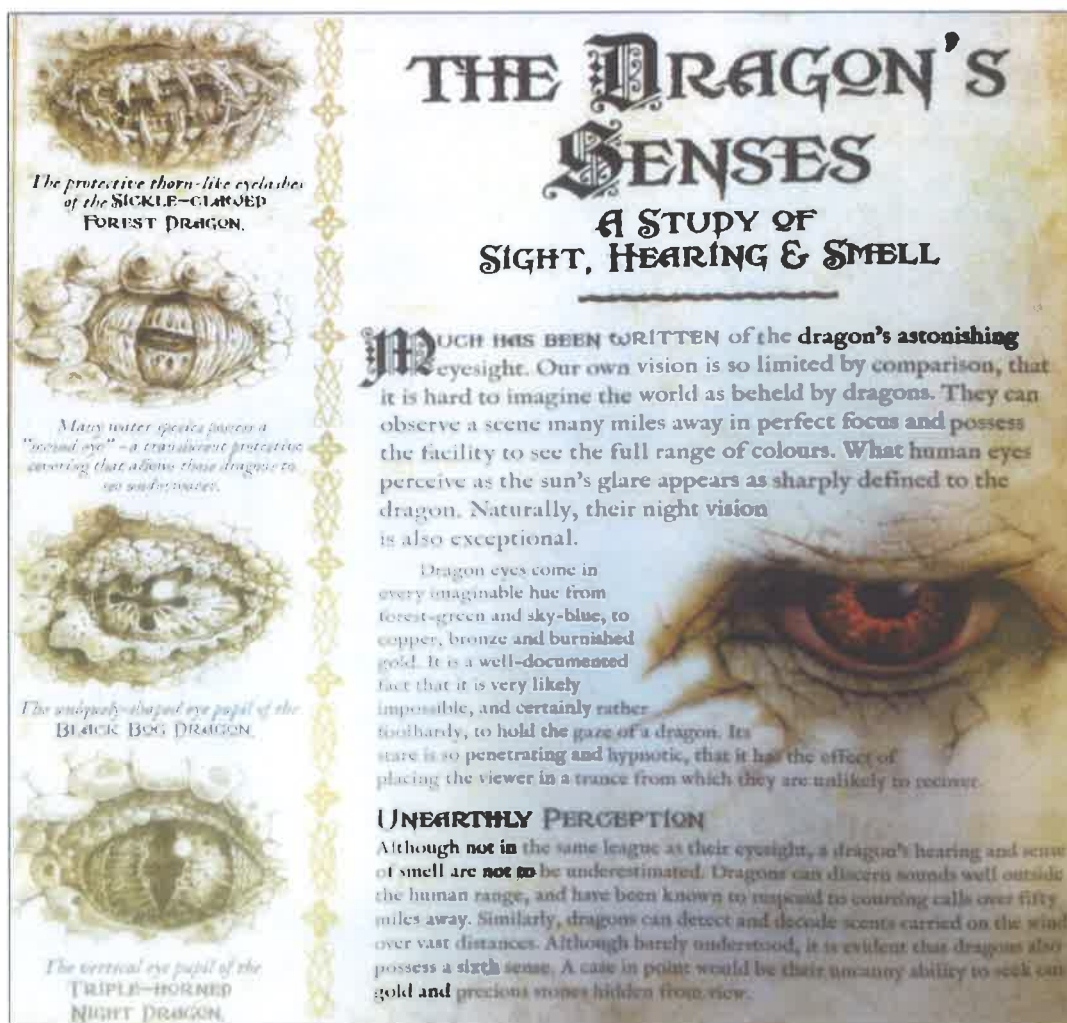
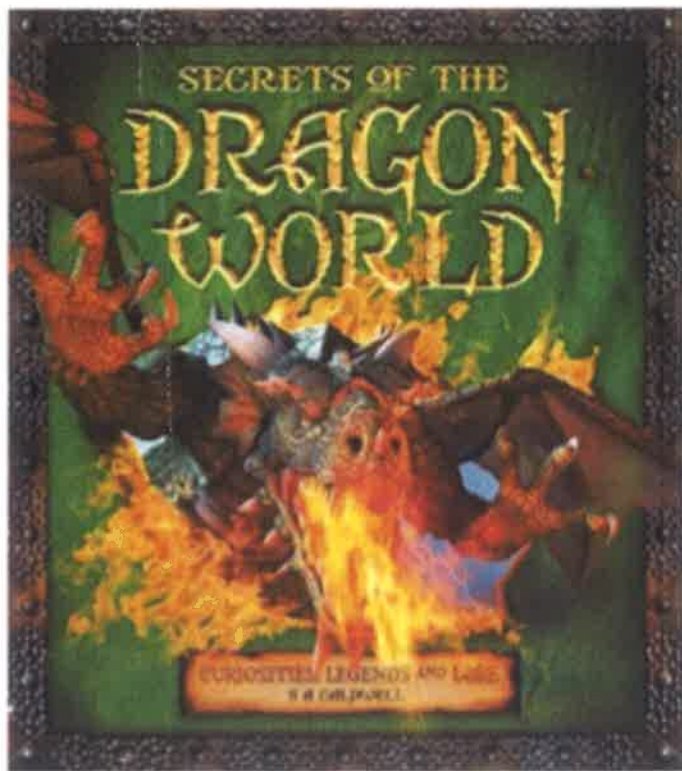
Drawing an image around the word

This strategy is all about making a word memorable. It links to meaning in order to try to make the spelling noticeable.



Look, cover, say, write and check	Day 1	Day 2	Day 3	Day 4	Day 5
available					
average					
awkward					
bargain					
bruise					
category					
cemetery					
committee					
communicate					
community					

Can I understand what I have read and clarify unknown words?



(You can read this on the next page)

Can I understand what I have read and clarify unknown words?

Read through the text carefully. If you can, read out loud to someone else. Underline words or phrases that you don't understand. Find out the meanings of any new words.

DRAGON'S SENSES A STUDY OF SIGHT, HEARING AND SMELL

Much has been written of the dragons astonishing eyesight. Our own vision is so limited by comparison, that it is hard to imagine a world as beheld by dragons. They can observe a scene many miles away in perfect focus and possess the facility to see the full range of colours. What human eyes perceive as the suns glare appears as sharply defined to the dragon. Naturally, their night vision is also exceptional. Dragon eyes come in every imaginable hue from forest-green and sky-blue, to copper, bronze and burnished gold. It is a well-documented fact that it is very likely impossible, and certainly rather foolhardy, to hold the gaze of a dragon. Its stare is so penetrating and hypnotic, that it has the effect of placing the viewer in a trance from which they are unlikely to recover.

UNEARTHLY PERCEPTION Although not in the same league as their eyesight, a dragon's hearing and sense of smell are not to be underestimated. Dragons can discern sounds well outside the human range, and have been known to respond to courting calls over fifty miles away. Similarly, dragons can detect and decode scents carried on the wind over vast distances. Although barely understood, it is evident that dragons also possess a sixth sense. A case point would be their uncanny ability to seek out gold and precious stones hidden from view.

Vocabulary	What I think it means	Dictionary definition	Synonyms
astonishing			
possess			
perceive			
hue			

Check your understanding of the words listed above:

1. Identify them in the text and read around the word for meaning.
2. What do you think it means in this context?
3. Check the meaning in a dictionary.
4. Are there alternative synonyms you could use that are just as effective?



Name: _____

Class: _____

Insert where the dash should be placed, to ensure the sentence is punctuated correctly.

- 1 The tension was growing we couldn't wait to get out on the pitch.
- 2 We walked out onto the pitch the crowd went mad.
- 3 The final whistle went we had won.

Insert where the semicolon should be placed, to ensure the sentence is punctuated correctly.

- 4 Stig was very tired it had been a hard match.
- 5 The team had played well they deserved to win.
- 6 Manu looked into the crowd he could see his grandad watching him.

Insert where the colon should be placed, to ensure the sentence is punctuated correctly.

- 7 Stig needed to remember all his equipment boots, shin pads and ball.
- 8 The coach wanted one thing from this game to win the match.
- 9 The team had two more training days before the big game Thursday and Friday.

Read the sentences.

Select the sentence that has been punctuated correctly.

- 10
 - a When we get to the stadium (if we get there) I am going to have to get changed quickly.
 - b When we get (to the stadium) if we get there I am going to have to get changed quickly.
 - c When we get to the stadium if we get there (I am going to have to get changed quickly).



Name: _____

Class: _____

11

- a Sten ran towards the ball (nearly falling as he went) and kicked it into the goal.
- b Sten ran (towards the ball) nearly falling as he went and kicked it into the goal.
- c Sten ran towards the ball nearly falling as he went and (kicked it into the goal).

12

- a Sten knew, the coach was watching him, he couldn't see him but he knew he was watching.
- b Sten knew the coach was watching him he couldn't see him, but he knew, he was watching.
- c Sten knew the coach was watching him, he couldn't see him, but he knew he was watching.

13

- a Manu was asked to play in goal, even though he preferred being in attack, and he saved three goals.
- b Manu was, asked to play in goal, even though he preferred being in attack and he saved three goals.
- c Manu was asked to play in goal even though he preferred being in attack, and he saved, three goals.

14

- a The team - disappointed - but happy were glad they had played their best.
 - b The team disappointed - but happy - were glad they had played their best.
 - c The team - disappointed but happy - were glad they had played their best.
- 14
 - a The referee blowing his - whistle stopped - the match.
 - b The referee - blowing his whistle - stopped the match.
 - c The referee - blowing - his whistle stopped the match.



Name: _____

Class: _____

- 11**
- a** Sten ran towards the ball (nearly falling as he went) and kicked it into the goal.
- b** Sten ran (towards the ball) nearly falling as he went and kicked it into the goal.
- c** Sten ran towards the ball nearly falling as he went and (kicked it into the goal).
- 12**
- a** Sten knew, the coach was watching him, he couldn't see him but he knew he was watching.
- b** Sten knew the coach was watching him he couldn't see him, but he knew, he was watching.
- c** Sten knew the coach was watching him, he couldn't see him, but he knew he was watching.
- 13**
- a** Manu was asked to play in goal, even though he preferred being in attack, and he saved three goals.
- b** Manu was, asked to play in goal, even though he preferred being in attack and he saved three goals.
- c** Manu was asked to play in goal even though he preferred being in attack, and he saved, three goals.
- 14**
- a** The team - disappointed – but happy were glad they had played their best.
- b** The team disappointed – but happy – were glad they had played their best.
- c** The team – disappointed but happy – were glad they had played their best.
- 14**
- a** The referee blowing his – whistle stopped – the match.
- b** The referee – blowing his whistle – stopped the match.
- c** The referee – blowing – his whistle stopped the match.



Name: _____ Class: _____

Work out the answers to the following calculations.

1 21,530
+ 11,607

2 42,721
+ 53,016

3 28,071
+ 19,291

4 21,196
+ 14,201

5 96,941
+ 65,196

6 83,295
+ 72,439

7 254,987
+ 65,394

8 593,665
+ 56,674

9 368,487
+ 81,536

10 452,437
+ 42,683

11 367,555
+ 25,236

12 658,125
+ 25,354

13 454,947
+ 465,344

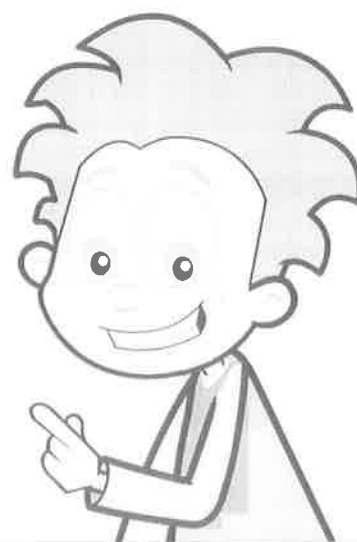
14 581,348
+ 398,124

15 215,365
+ 134,658

16 648,314
+ 215,326

17 515,978
+ 216,994

18 664,225
+ 584,236



An A - Z of Sports

Amazing Fact

The sport of Jai-Alai is commonly believed to be the fastest sport in the world – the ball can travel at speeds of up to 300 km/h or 190 mph.

Challenge

Try to think of a sport or sports person for each letter of the alphabet.

You could use the Internet or non-fiction books to research lesser-known sports.

A _____	K _____	U _____
B _____	L _____	V _____
C _____	M _____	W _____
D _____	N _____	X _____
E _____	O _____	Y _____
F _____	P _____	Z _____
G _____	Q _____	
H _____	R _____	
I _____	S _____	
J _____	T _____	



You could also try to find out:

- which countries Jai-Alai is played in;
- what the court looks like;
- if it is dangerous;
- how the ball travels so fast.

What will happen to my heart rate when I do different exercises?

This week in science and PE, we are going to investigate this question.

Firstly, we need to learn how to take our heart rate using our pulse. A pulse rate is where you can feel your heart. As the heart beats, a pulse can be felt in locations where an artery passes over a solid structure, such as bone. Locations include wrist, neck and upper arm.

To measure your pulse rate, count the number of beats in a set period of time, eg 30 seconds, or a minute. In healthy people, generally, the lower the resting pulse rate, the fitter they are.

Pulse rates increase during and after exercise, as more oxygen must be provided to the muscles, and carbon dioxide removed.

The pulse rate is expressed in beats per minute. Therefore if you count your pulse for 30 seconds you will then need to multiply this number by 2 to find the beats per minute (bpm).

Task 1:

Measure Your Pulse with a Straw!

A simple device constructed out of a drinking straw and clay makes learning about the pulse visual and hands-on! The straw twitches up and down with each heart contraction, giving you a firsthand look at how the heart works.

What You Need:

Drinking straw

Clay/ plasticine / play dough

Clear tape

Paper and pen

Watch or timer



What You Do:

1. Find a pulse point on your body – usually just at the base of your thumb on your wrist.
2. Take a small amount of clay—about the size of a small rubber ball—and place it on this pulse point. Press the clay firmly against the pulse area so it's attached securely to your skin.
3. Next, push a drinking straw into the clay so that it sticks out straight from your body. You should be able to see the straw move just slightly with each pulse movement.
4. Count your pulse rate, or the number of times the straw twitches, for 30 seconds. You should use the timer or the watch so that you can tell when to start and stop counting.
5. Now multiply this number by two to determine your heart rate per minute

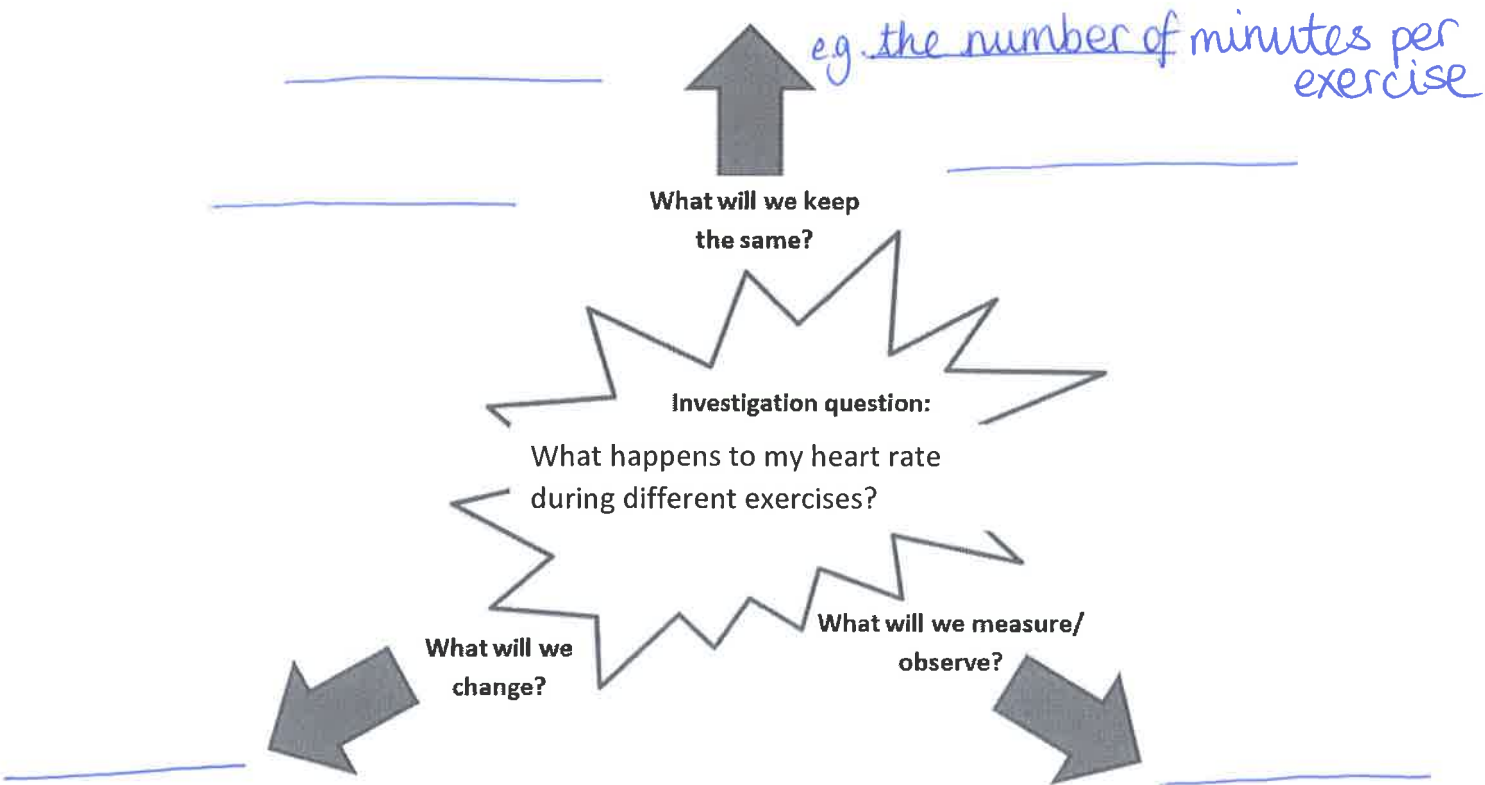
Now:

Find your resting heart rate.

Task 2:

Now think about how you could carry out an investigation into the effect that different exercises have on your heart rate.

Fill in the ideas on the planning frame below of what you will do and what you will think about during your investigation. Prepare a table to record your results.



Activity	Test 1	Test 2	Test 3
Resting			

Which exercise do you think will raise your heart rate the most? Why?

Can I summarise what I have read?

Read back through the Secrets of the Dragon World page from yesterday. Write out six key pieces of information that text gives you (nuggets) and then use this information to write a 20 word summary.

Capturing the Nuggets

Sieve the text for the key information. What are the golden nuggets to summarise?



What do you learn from the text? Use no more than 20 words.
Summary:



Quick Quiz:

1. *Dragons can discern sounds well outside the human range ...*
What does the word discern mean in this sentence?
2. What happens to people who gaze into the eyes of a dragon?
3. Using information from the text, tick one box in each row to show whether each statement is true or false.

	True	False
Dragons only see in black and white.		
It is not a good idea to look into the eyes of a dragon.		
Their hearing and sense of smell are as good as their eyesight.		
Dragons have a sixth sense.		

Name: _____

Class: _____

Correct the sentence, by adding punctuation.

Add a semicolon.

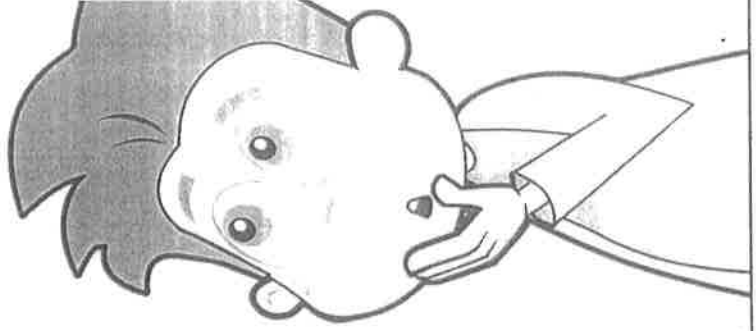
- 10** A safari is a great holiday full of exciting animals.
- 11** Klara was a little clumsy she dropped her dinner.
- 12** The rhino walked across their path it was a magnificent beast.
- 13** The wildlife was amazing there was so much to see.
- 14** The sun rose from behind the mountains the wildlife stirred in the trees.
- 15** Fireflies flew in the twilight they were an incredible sight.
- 16** Stig spotted creatures at the fruit feeders toucans, squirrels and humming birds.
- 17** There was water all around them waterfalls, rivers and pools.
- 18** Stig was missing his friend Sten.

Name: _____

Class: _____

Complete these addition calculations.

- 1** $400 + 1 =$ _____
- 2** $3,000 + 4 =$ _____
- 3** $1,200 + 2,400 =$ _____
- 4** $5,178 + 4,500 =$ _____
- 5** $6,341 + 2,700 =$ _____
- 6** $2,418 + 3,300 =$ _____
- 7** $12,278 + 2,700 =$ _____
- 8** $35,515 + 6,300 =$ _____
- 9** $18,800 + 3,100 =$ _____
- 10** $46,615 + 12,200 =$ _____
- 11** $67,385 + 31,400 =$ _____
- 12** $24,854 + 13,500 =$ _____
- 13** $475,249 + 24,000 =$ _____
- 14** $132,150 + 32,000 =$ _____
- 15** $336,478 + 81,000 =$ _____
- 16** $451,332 + 74,000 =$ _____
- 17** $453,000 + 216,000 =$ _____
- 18** $466,000 + 526,000 =$ _____
- 19** $258,773 + 24,000 =$ _____
- 20** $529,223 + 48,000 =$ _____



Name: _____

Class: _____

Choose the sentence that has been punctuated correctly.

- 1 **a** The group got up early for the birdwatch – it was going to be a long day.
- b** The group got up – early for the birdwatch it was going to be a long day.
- c** The group got up early – for the birdwatch it was going to be a long day.

- 2 **a** The menu looked very inviting all the group were – ready for dinner.
- b** The menu looked very inviting – all the group were ready for dinner.
- c** The menu – looked very inviting all the group were ready for dinner.

- 3 **a** There were animal – noises coming from the dense forest Stig was worried.
- b** There were animal noises – coming from the dense forest Stig was worried.
- c** There were animal noises coming from the dense forest – Stig was worried.

- 4 **a** There were plenty of activities: available kayaking, mountain biking and water rafting.
- b** There were plenty of activities available: kayaking, mountain biking and water rafting.
- c** There were: plenty of activities available kayaking, mountain biking and water rafting.

- 5 **a** The menu had lots of variety: curry, fish stew and Piri piri chicken.
- b** The menu: had lots of variety curry, fish stew and Piri piri chicken.
- c** The menu had lots of variety curry: fish stew and Piri piri chicken.

Name: _____

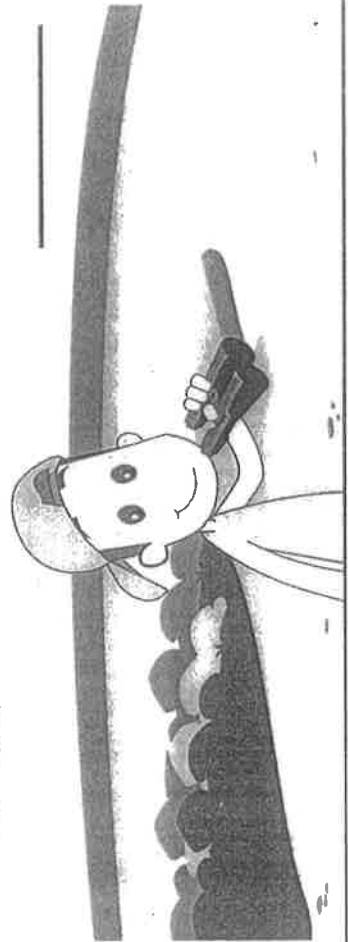
Class: _____

- 6 **a** Klara: had two choices stay at the lodge, or go on the trip.
- b** Klara. had two choices: stay at the lodge, or go on the trip.
- c** Klara had two choices stay at the lodge: or go on the trip.

- 7 **a** The forest was dense; there was vegetation everywhere.
- b** The forest was dense there was vegetation; everywhere.
- c** The forest; was dense there was vegetation everywhere.

- 8 **a** Klara and Stig were late; for the plane they hoped they wouldn't miss their flight.
- b** Klara and Stig; were late for the plane; they hoped they wouldn't miss their flight.
- c** Klara and Stig were late for the plane; they hoped they wouldn't miss their flight.

- 9 **a** There were plenty of activities: available kayaking, mountain biking and water rafting.
- b** There were plenty of activities available: kayaking, mountain biking and water rafting.
- c** There were: plenty of activities available kayaking, mountain biking and water rafting.



The Wimbledon Championships

Wimbledon is the world's oldest tennis tournament and is thought by many to be the most prestigious. Since 1877 it has been held at the All England Club in Wimbledon, London. It is one of the four Grand Slam tennis tournaments (majors), the others being the French Open, the Australian Open and the US Open. Wimbledon is the only major still played on traditional grass, the game's original surface, which gave the game its original name of 'lawn tennis'.



Events

The five main events are the gentlemen's singles, ladies' singles, gentlemen's doubles, ladies' doubles and mixed doubles.

There are also four junior events including the boys' and girls' singles and doubles matches.

In addition to this, there are invitation events where some former professionals return to compete. Wheelchair singles and doubles matches also take place.

Tickets

The majority of centre court tickets are made available by a public ballot where applicants are selected at random by a computer. Due to the popularity of the event, the public ballot has always been oversubscribed. Fans without tickets can queue up overnight to get seats on match day.

Schedule

Wimbledon takes place for two weeks in July. Usually, there is no play on the 'Middle Sunday', however bad weather has sometimes forced play on this day. The middle Sunday is classed as a rest day for the players.

The Courts

The principal court, Centre Court, was opened in 1922. In 2009, a moving roof was added to this court which can be automatically closed.

The main courts, Centre Court and No. 1 Court, are generally only used for two weeks every year during the championships. The other 17 courts are used for other events hosted by the club.

The Wimbledon Championships

Trophies and Prize Money

The gentlemen's singles champion receives a silver gilt cup which bears the inscription: 'All England Lawn Tennis Club Single Handed Championship of the World.' The women's singles champion receives a sterling silver salver which is decorated with figures from mythology. The winners keep a smaller replica of their trophy.

The prize money for the winners runs into the millions!



A Few Famous Champions

Martina Navratilova won a record nine Wimbledon singles titles. She often commentates on the women's matches.

Serena Williams, and her sister Venus, have won Wimbledon several times. They have even competed against each other in the singles final. The sisters have also paired up and won the Wimbledon women's doubles title on a number of occasions.

Pete Sampras won seven singles titles at Wimbledon, all between 1993 and 2000.

Roger Federer won Wimbledon five times in a row between 2003 and 2007, a period where he totally dominated grass court tennis.

In 2013, Sir Andy Murray won the men's singles title. He was the first British singles winner since 1977 and the first male winner since 1936!



Did You Know?

- Wimbledon's Centre Court seats 14,979 people.
- An average of 86,000 ice creams are sold during the championships and 28,000kg of strawberries are consumed.
- A hawk called Rufus flies around the grounds to deter local pigeons.
- The longest ever match played at Wimbledon lasted for over 11 hours!
- During the tournament, 40 miles of string is needed to restring rackets!
- Tennis players' clothing must be all-white, or at least almost all-white.
- **Players must bow or curtsy if HRH The Prince of Wales or Her Majesty the Queen is present in the Royal Box at Centre Court.**



Can I understand what I have read and read for enjoyment?

Read through the information about Wimbledon which is being held this week in London. Annotate the text with your think alouds and underline any new words or meanings. Write out 6 facts that you have learnt from reading this text.

An example of how to annotate text with your read and think alouds:

Jack nasty - calls her Dog
That's not right!
Also Dogs frightened him.
For sure

Makes me predict (Jason Y6)
What animal is it?
Some kind of bird

The loudest sound that Dog had ever heard was coming from the box! Whatever was in there was definitely not dead. All the animals froze in shock. At once, the TV upstairs fell silent and Uncle's footsteps crossed the floor. If Uncle came down and found everyone out, free in the shop, Dog didn't want to imagine what might happen.

Squuuuuuuuuuuuwwkkk! Squawk!

The sound came again, even louder than before. Tiny feet pattered and wings fluttered as all the animals fled towards their cages. Even with everyone back behind bars, Dog knew that Uncle would still be furious at being disturbed and she would be blamed, because she hadn't "sorted out" the strange parcel.

Dog rushed over to the box. Whatever it was inside, it must be made to shut up. Frantically she tipped away the string and paper. The box had fallen so that the lid was at the side. Dog pulled at it, and Esme

scrabbled at the edge, trying to lever it up with her long claws. From upstairs there were the unmistakable sounds of Uncle getting ready to come down! Then, suddenly, with a sigh and creak, the lid lifted and a cloud of sawdust spilled onto the pet-shop floor. In the middle of it, something was flailing about, making that terrible, terrible noise, louder still now without the box to muffle it.

Squuuuuuuuuuuuwwkkk! Squawk!

Desperate to make it shut up, Dog simply jumped on the whatever it was, pinning it to the floor. It gave one last Srrrrrrrreeeech! and was silent. Dog lay there with sawdust up her nose and in her eyes, listening. Footsteps came to the top of the stairs, then stopped. There was a pause that seemed to last for hours. All the animals held their breath. The footsteps retreated, the TV blared out again.

I like this!

Uncle is boadie in story

In pet shop - so dog lets animals out of cages cos she likes them. they go back in when told

? ?
Meaning

Frantic-ally DOES IT MEAN QUICKLY??!!

I have sawdust for my hamster

??!!

I'm thinking Will Uncle Wake up

Haha... xD That laughed at me!

so uncle will come down

Fried!

I got mixed up here at first but I animal paws/pause so-read it again to fix it.

Write out six facts that you have learnt from reading this text. Try to write them in your own words:



Quick Write: Sports

1

Collecting Vocabulary

Write down nine ambitious words to describe this picture.



Name It

Give this picture a title.

Opening Lines

Write the opening to a story based on this picture.

Quick Questions

Write your answers on the back of your sheet.

1. Who do you think took this photograph?
2. If these children were in an adventure story, what would the story be called?
3. Give two far-fetched reasons why the goalpost is in the water.

Give Your Opinion

Would you prefer to play football on land or in the water?

Circle **LAND** or **WATER**

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

Quote It

Write one line of correctly punctuated speech that the boy in the goal might say.



Name: _____

Class: _____

Read the questions carefully.

Identify important words and numbers.

Remember to identify the **first** calculation needed to solve the problem, then identify the **second** calculation needed to solve the problem.

- 9** On Tuesday there are 2,564 visitors to the park.
There are 387 children on school trips, 956 adults and 576 children over 12.
How many children 12 and under are there visiting?

The first calculation: _____

The second calculation: _____

- 10** The perimeter of the lion area is 5,400 metres and that is 900 metres more than the perimeter of the cheetah's area and 300 metres more than the giraffe's area.
What is the perimeter of the giraffe's area?

The first calculation: _____

The second calculation: _____

- 11** The café has had a delivery of 5,500 bottles of water on Wednesday.
On Thursday they sold 600 bottles, on Friday they sold 750 bottles and they sold 2,300 at the weekend.
How many bottles are left unsold?

The first calculation: _____

The second calculation: _____

- 12** There are some new perches in the parrot house.
The tallest perch is 313cm from the floor.
The next perch down is 118cm lower.
The lowest perch is 97cm further down.
How far from the floor is the lowest perch?

The first calculation: _____

The second calculation: _____



Name: _____

Class: _____



Read the questions carefully.

Identify important words and numbers.

Remember to identify the **first** calculation needed to solve the problem, then identify the **second** calculation needed to solve the problem.

- 1** The giraffe is 550cm and he is 280cm taller than the elephant.
The elephant is 160cm taller than the tiger.
How tall is the tiger?

The first calculation:

The second calculation:

- 2** The monkeys have nearly finished eating their nuts.
Each sack contained 100kg of nuts.
On Tuesday they ate 18kg of nuts, on
Wednesday they ate 16kg.
By Friday morning they had 25kg left.
How much did they eat on Thursday?

The first calculation:

The second calculation:

- 3** There are 3,914 visitors to the park on Sunday.
There are 1,213 adults, 1,004 children over 12 and 304 children 5 and under.
How many children that are over 5 and 12 and under are there?

The first calculation:

The second calculation:

- 4** The total amount of fish eaten by the penguins, seals and otters in the wildlife park is 3,794kg every week.
The seals eat 1,610kg and the penguins eat 1,260kg.
How much do the otters eat?

The first calculation:

The second calculation:



Name: _____

Class: _____



Read the questions carefully.

Identify important words and numbers.

Remember to identify the **first** calculation needed to solve the problem, then identify the **second** calculation needed to solve the problem.

- 5** There are 1,600 spaces available in the Wildlife Park car park.
There are 344 spaces available for the mother and toddlers and 242 disabled car parking spaces.
How many other spaces are there in the car park?

The first calculation:

The second calculation:

- 6** In the winter the animals need extra hay to eat.
A lorry arrives at the park with 9,071kg of hay; the elephants are given 4000kg and the camels have 3,045kg.
How much hay is left over for the zebras to have for the winter?

The first calculation:

The second calculation:

- 7** A new room in the reptile house is being built for some new tortoises arriving.
The total cost of the room will be £5,234. The bricks and slates cost £2,509, the windows cost £956 and the concrete costs £814.
How much is left over to create the habitat inside?

The first calculation:

The second calculation:

- 8** The Seal, Penguin and Otter Show is taking place at the Animal Water Theatre.
The seats are being taken up quickly.
The theatre holds 1,500 people.
755 seats are reserved, 99 are not used because they are in the splash zone and 340 people are already sitting in their seats.
How many seats are still available?

The first calculation:

The second calculation:

Can I answer retrieval and inference questions based on what I have read?

Wimbledon

1. List all four Grand Slam tennis tournaments.

2. Outline the main events at Wimbledon.

3. Why is it difficult to win tickets in the public ballot?

4. What is special about 'Middle Sunday'?

5. How are the main show courts used differently to the other courts throughout the year?

6. The Williams sisters have played against each other in the Wimbledon women's singles final. How would you have felt if you had been playing against your brother or sister in the Wimbledon finals? If you don't have any brothers or sisters, imagine playing against your best friend.

7. Which year was the roof added onto Centre Court?

- ☐ 2006
☐ 2007
☐ 2008
☐ 2009

Can I answer retrieval and inference questions based on what I have read?

8. Why do you think the winners keep replicas and not the original trophies?

9. The hawk which flies around the grounds to scare away pigeons is called _____

10. What qualities do you think a person needs to become a Wimbledon champion? Explain your choices.

Extension activity

Find out who won the men's and ladies singles titles in 2010 and 2015. Which countries did they represent?

Can I write a story based on the life of a football?



Read this example story of a day in the life of a football...

The great amount of mud on the soccer field was enough to engulf a grown man's foot as he tried to tiptoe across.

Today was the Grand-Final match between the City and the United and I, being the ball, had the most important role in the game. I was the City's ball so I supported them. PEEP! The whistle blew as I braced myself for impact.

Whoopf... I was kicked by a boot, right in the back side and headed by a brawny kid two times bigger than the one before (or so I thought). All I could see were colossal feet all around me. All I could smell was sweat and socks. All I could hear was the thudding and crashing of feet around me... and on me!

The net and I were good friends so I tried to manage to make a conversation while flying through the posts. "Tangled in the net again!" sighed the ref, as he untangled me and passed me to the goalie. I thought our team was winning the game because I was positive I had not been past our goalie, Danny, yet.

Oh no - injury. I smacked some kid in the face from our team! Samantha, a girl on my team, had been seriously injured. The game was going pear-shaped. The sun was blocked by the clouds as if they were immense brick walls. I was kicked into a circle of kids with no escape but over the top. It was like I was in a prison trying to escape from the torture.

The kick rebounded me off some sweaty shin-pads and towards the opposition goalie. I was praying like mad to get in the goal because it would allow us to break the tie between us and the United **AND**, if our team won, the kids would eat pizza and have milkshakes to celebrate.

I was being dribbled along by Bengi, a hulking sort of a kid who kicked hard. Bracing myself for a collision with the post, or the goalie, and holding my breath, I sailed through the air like a sailing boat gliding over the ocean. My heart was racing like a raging bull. It all happened in slow motion...

"GGGGGOOOOOAAAALLLLL!" shouted the ref, as our team rejoiced by hugging, giving each other high fives, yelling and all that stuff. Parents were doing exactly the same as the kids which made everyone chuckle. Finally, after shaking hands with the United, the team flopped down, exhausted by it all.

Next came the awards. These were just a little thing our team did to support the kids as well as encourage them to do well. The manager told them what a great job they had done. Samantha, Danny and Bengi were awarded with certificates and Hayden won the "Magic Moment" award. I was put in my cozy, lovely little house (the bag) and was thrown in the boot of the coach's car. Finally, we were driven to Pizza Palace to commemorate the victory.

I love being who I am. To most people, I'm just another ball but today, I am the ball that won the Grand Final!

Now write your own similar story. You can based it on the picture above or decide on a different sport – a rugby ball, javelin, tennis ball etc. Be as imaginative as you can with your writing.

Reach 100

Here is a grid of four "boxes":

You must choose four **different** digits from 1–9 and put one in each box. For example:

5	2
1	9

This gives four two-digit numbers:

52 (reading along the 1st row)

19 (reading along the 2nd row)

51 (reading down the left hand column)

29 (reading down the right hand column)

In this case their sum is 151.

Try a few examples of your own.

Is there a quick way to tell if the total is going to be even or odd?

Your challenge is to find four **different** digits that give four two-digit numbers which add to a total of 100.

How many ways can you find of doing it?

Extension:

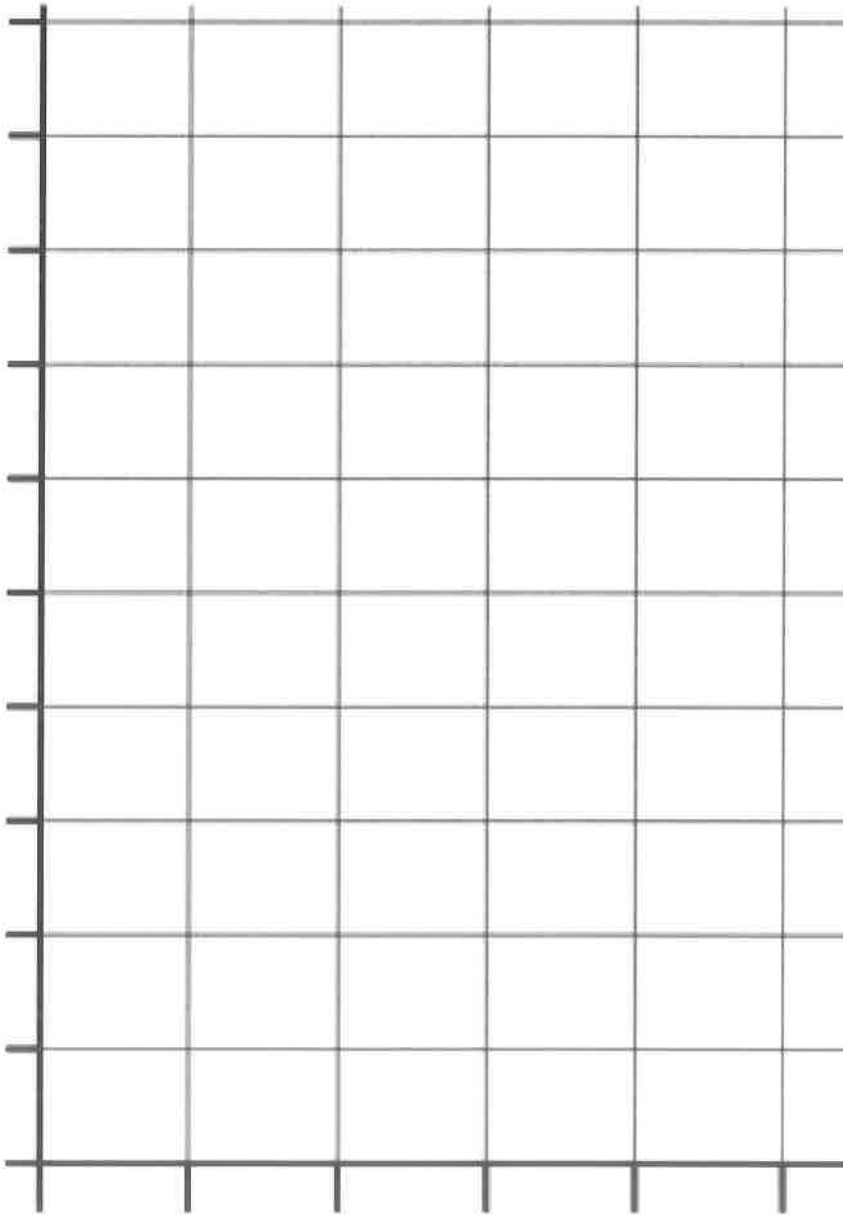
What is the smallest total you can make?

What is the largest?

Can you make all the totals in between the largest and smallest total?

Can I present and evaluate my data?

Present your results from your science investigation in a graph. You could use the blank grid below or make your own.



Which exercise made your heart rate go up the most?

Why do you think this happened?

Are there any results that you don't think are as accurate or that you don't trust? Why?

Can I write a set of instructions to explain how to play a game?

You have free choice with how you would like to write this piece. If you have designed your own sports day today, you could write instructions for the rest of your family for what they need to do or write instructions for your favourite sport or game.

Think about the following features to include:

- title and headings
- an introduction to what these instructions will help us with
- equipment list
- time conjunctions (firstly, next, after that)
- adverbs to explain how to do something (carefully, quickly)


Can I get active and have fun!

Design your own sports day! Get your family to join in if you can and create some different activities to join in with. In school, we would have been doing a running distance, a standing long jump and a tennis ball throw. However, you could change it up with some of the activities suggested below:

Daily Mile

Use everything that you have learnt in school to go for a run with your family. How far can you run in 15 minutes?

Top Tip: Start off slowly so you don't run out of energy, remember you can always speed up towards the end.




Not quite egg and spoon race

How many times can you run around the garden with your "egg and spoon". Remember, you have to stop if it falls off.

However, you don't have to use an egg or spoon. Talk to an adult to help you find something you can use.




Classic skips




Simple rules: How many skips can you do before you have to stop? Challenge an adult to compete against you.

Sort of tennis racket bounce



How many times can you bounce a tennis ball in a row?

You can always use a frying pan and balled up socks.



Washing line challenge



How quickly can you peg five items onto the washing line?


Important rule! Each item must have at least one peg.

Sophisticated Book Balance

Balance one book upon your head, stopping when it falls off.

Challenge 1: How far can you go without the book falling off your head?

Challenge 2: How long can you stand on one leg before the book falls off your head.



MASTERS CHALLENGE $2 \times 2 =$		$24 \div 6 =$	$10 \times 9 =$
$8 \times 7 =$		$44 \div 4 =$	$8 \times 12 =$
$3 \times 3 =$		$3 \times 4 =$	$8 \times 8 =$
$5 \times 4 =$		$4 \times 4 =$	$54 \div 9 =$
$1 \times 1 =$		$5 \times 3 =$	$40 \div 8 =$
$48 \div 6 =$		$3 \times 8 =$	$6 \times 3 =$
$28 \div 4 =$		$60 \div 12 =$	$6 \times 12 =$
$3 \times 6 =$		$36 \div 3 =$	$3 \times 6 =$
$4 \times 7 =$		$4 \times 11 =$	$4 \times 12 =$
$4 \times 5 =$		$3 \times 5 =$	$9 \times 5 =$
$9 \times 7 =$		$9 \times 11 =$	$9 \times 12 =$
$42 \div 7 =$		$4 \times 8 =$	$8 \times 9 =$
$45 \div 5 =$		$12 \times 11 =$	$12 \times 12 =$
$5 \times 6 =$		$9 \div 1 =$	$10 \div 5 =$
$3 \times 7 =$		$10 \times 3 =$	$6 \times 6 =$
$2 \times 9 =$		$9 \times 9 =$	$90 \div 10 =$
$36 \div 9 =$		$8 \times 3 =$	$10 \times 10 =$
$121 \div 11$		$72 \div 9 =$	$10 \times 3 =$
$1 \times 7 =$		$66 \div 6 =$	$48 \div 4 =$
$8 \times 4 =$		$1 \times 10 =$	$54 \div 6 =$
$99 \div 9 =$		$6 \times 5 =$	$108 \div 9 =$
$5 \times 7 =$		$5 \times 11 =$	$5 \times 12 =$
$9 \times 2 =$		$2 \times 8 =$	$8 \times 10 =$
$7 \times 7 =$		$7 \times 11 =$	$7 \times 12 =$
$11 \times 7 =$		$11 \times 11 =$	$11 \times 12 =$
$6 \times 10 =$		$63 \div 7 =$	$3 \times 9 =$
$3 \times 7 =$		$3 \times 11 =$	$3 \times 12 =$
$8 \times 5 =$		$4 \times 10 =$	$18 \div 2 =$
$2 \times 11 =$		$6 \times 9 =$	$10 \times 10 =$
$8 \times 7 =$		$60 \div 5 =$	$12 \div 1 =$
$4 \times 7 =$		$84 \div 7 =$	$9 \times 7 =$
$88 \div 8 =$		$10 \times 11 =$	$72 \div 6 =$
$10 \times 7 =$		$10 \times 11 =$	$10 \times 12 =$
$3 \times 12 =$		$120 \div 12 =$	$36 \div 3 =$

Master Master Challenge

$72 \div 8 =$	$6 \div 1 =$	$56 \div 7 =$	$18 \div 2 =$
$64 \div 8 =$	$18 \div 3 =$	$24 \div 3 =$	$40 \div 8 =$
$28 \div 7 =$	$30 \div 6 =$	$8 \div 8 =$	$56 \div 7 =$
$9 \div 9 =$	$32 \div 8 =$	$12 \div 4 =$	$24 \div 6 =$
$54 \div 9 =$	$12 \div 4 =$	$35 \div 7 =$	$12 \div 2 =$
$40 \div 8 =$	$18 \div 6 =$	$15 \div 3 =$	$9 \div 1 =$
$1 \div 1 =$	$16 \div 8 =$	$56 \div 8 =$	$35 \div 7 =$
$63 \div 9 =$	$2 \div 2 =$	$36 \div 4 =$	$42 \div 6 =$
$27 \div 9 =$	$36 \div 4 =$	$9 \div 1 =$	$15 \div 5 =$
$16 \div 2 =$	$54 \div 6 =$	$12 \div 6 =$	$6 \div 1 =$
$7 \div 1 =$	$72 \div 9 =$	$36 \div 9 =$	$9 \div 9 =$
$12 \div 3 =$	$14 \div 2 =$	$30 \div 5 =$	$24 \div 6 =$
$27 \div 3 =$	$24 \div 4 =$	$6 \div 1 =$	$45 \div 5 =$
$10 \div 2 =$	$30 \div 6 =$	$48 \div 6 =$	$8 \div 4 =$
$16 \div 4 =$	$45 \div 9 =$	$2 \div 2 =$	$7 \div 1 =$
$3 \div 3 =$	$16 \div 4 =$	$21 \div 7 =$	$9 \div 9 =$
$18 \div 3 =$	$21 \div 7 =$	$9 \div 3 =$	$30 \div 5 =$
$40 \div 5 =$	$81 \div 9 =$	$30 \div 6 =$	$32 \div 4 =$
$32 \div 4 =$	$16 \div 2 =$	$14 \div 2 =$	$12 \div 3 =$
$24 \div 4 =$	$35 \div 5 =$	$56 \div 8 =$	$63 \div 9 =$
$45 \div 5 =$	$49 \div 7 =$	$36 \div 4 =$	$24 \div 8 =$
$40 \div 5 =$	$54 \div 9 =$	$18 \div 9 =$	$25 \div 5 =$
$20 \div 4 =$	$15 \div 3 =$	$20 \div 5 =$	$32 \div 4 =$
$48 \div 6 =$	$20 \div 5 =$	$24 \div 8 =$	$36 \div 9 =$
$54 \div 6 =$	$28 \div 7 =$	$24 \div 4 =$	$48 \div 8 =$