

### YEAR 4 HOMEWORK - Pack 12

Whilst school is closed we have planned a variety of homework tasks for your child to complete. The tasks are designed to be completed over several days, and we also expect all pupils to read daily, as well as use TT Rockstars and Spelling Shed.

#### Year 3 and 4 Common Exception Words

Αα	breath	consider	enough	group	island	natural	popular	Rr	surprise
accident	breathe	continue	exercise	guard	Kk	naughty	position	recent	Tt
accidentally	build	Dd	experience	guide	knowledge	notice	possess	regular	therefore
actual	busy	decide	extreme	Hh	LL	Оо	possession	reign	though
actually	business	describe	Ff	heard	learn	occasion	possible	remember	thought
address	Cc	different	famous	heart	length	occasionally	potatoes	Ss	through
although	calendar	difficult	favourite	height	library	often	pressure	sentence	Vv
answer	caught	disappear	February	history	Mm	opposite	probably	separate	various
appear	centre	Ee	forward	Ii	material	ordinary	promise	special	Ww
arrive	century	early	forwards	imagine	medicine	Рр	purpose	straight	weight
Bb	certain	earth	fruit	increase	mention	particular	Qq	strange	woman
believe	circle	eight	Gg	important	minute	peculiar	quarter	strength	women
bicycle	complete	eighth	grammar	interest	Nn	perhaps	question	suppose	

#### <u> Task 1:</u>

Practice your spellings of your common exception words in your best handwriting.

Remember: look, cover, write, check.

<u>Task 2:</u> Play TT Rockstars to improve your recall of your multiplication facts.







### YEAR 4 Maths - Skill 1

#### Year 4 Decimals & Fractions Worksheet

- 1. In 5,471.6, in which place is the 6?
  - a. tenths
  - b. hundreds
  - c. ones
  - d. tens
- 2. In 3,812.64, which digit is in the ones place?
- 3. In 4,175.6, which digit is in the tenths place?
- 4. In 627.84, in which place is the 7?
- 5. Which decimal is equivalent to 0.6570?
- 6. Write 9/10 as a decimal number.
- Alice bought 2.5 kg of flour, 5.34 kg of sugar and 0.35 kg of margarine.
   What is the total weight of the things bought by Alice?
- 8. The mass of the apple is 1.54 kg. A muskmelon is 2.69 kg heavier than the apple. What is the mass of the muskmelon?
- Julie has 9.8 m of cloth. She used 1.95 m of the cloth to make a blouse.
   What is the length of cloth left?
- 10. Lara is 1.76 metres tall and Russie is 0.12 meters taller. What is Russie's height?

11. Bottle A holds 4.3 litres of water and bottle B holds 2.9 litre less water than bottle A. What is the volume of water in bottle B?



### YEAR 4 Maths - Skill 1

12. The length of a ribbon is 1.28 m. The length of a rope is 2.74 m longer than the ribbon. What is the length of the rope?

#### Fractions

1. Of the 12 people in line for ice cream, five-sixths want vanilla. How many people want vanilla ice cream?

2. The school choir has 20 members. Eight-tenths of the members are girls. How many girls are in the choir?

3. Four-sixths of the 18 students at International's school voted for Anne for president. How many students voted for Anne?

4. Of the 14 trucks at the local dealership, three-sevenths are blue. How many blue trucks does the dealership have?

5. Emlee made 20 cherry cakes and put sprinkles on four-fifths of them. How many cherry cakes have sprinkles?

6. There are 16 candies in a bowl on the table. One-half of the candies are lemons. How many lemons are in the bowl of candy?

7. Three-sevenths of the 14 plates on the table are blue. How many blue plates are on the table?

- Which fraction is greater?
   4/12 4/6
- 9. Which fraction is greater?

3/5 3/10





### YEAR 4 Maths - Skill 1

Example: Convert  $\frac{11}{4}$  to a mixed fraction.

Divide:

 $\rightarrow$  11 ÷ 4 = 2 with a remainder of 3

Write down the 2 and then write down the remainder (3) above the denominator (4).

Answer:

 $2\frac{3}{4}$ 

- 10. Write 23/6 as a mixed number.
- 11. Write 81/8 as a mixed number.
- 12. What number is 1/8 of 8?
- 13. Which missing value makes these fractions equal?

2/10 = 1/?

14. Type the missing number to complete the pattern of equivalent fractions.
1/3 = 2/6 = 3/9 = 4/?



### YEAR 4 Maths - Skill 2

**1.** Mitch's bedroom door is 9 metres tall and 4 metres wide. A new door would cost \$5 per square metre. How much would a new bedroom door cost in total?

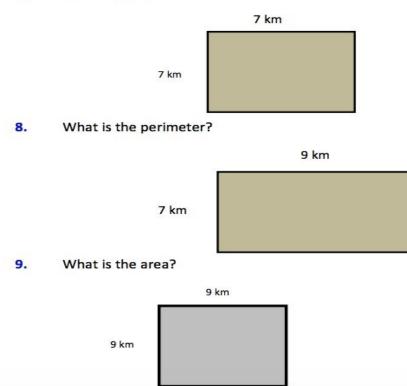
2. A closet in Roomi's house is 5 metres by 3 metres. How much would it cost to put a new floor in the closet if the flooring costs \$5 per square metre?

**3.** Each side of a square office is 8 metres long. It will cost \$3 per square metre to replace the carpet in the office. What would be the total cost to replace the carpet?

**4.** A painting measures 6 metres by 4 metres. A frame shop charges \$10 per metre for a wooden frame. How much would it cost to buy a frame for the painting?

5. Angle's living room is 6 meters wide and 7 meters long. She wants to put a border around the top of the room. The cost of the border is \$4 per meter. How much will it cost to buy enough of the border to go around the room?

6. A farmer needs to build a goat pen. The pen will be 13 meters wide and 20 meters long. The fencing material costs \$1 per meter. How much will it cost to buy enough fencing material to build the goat pen?

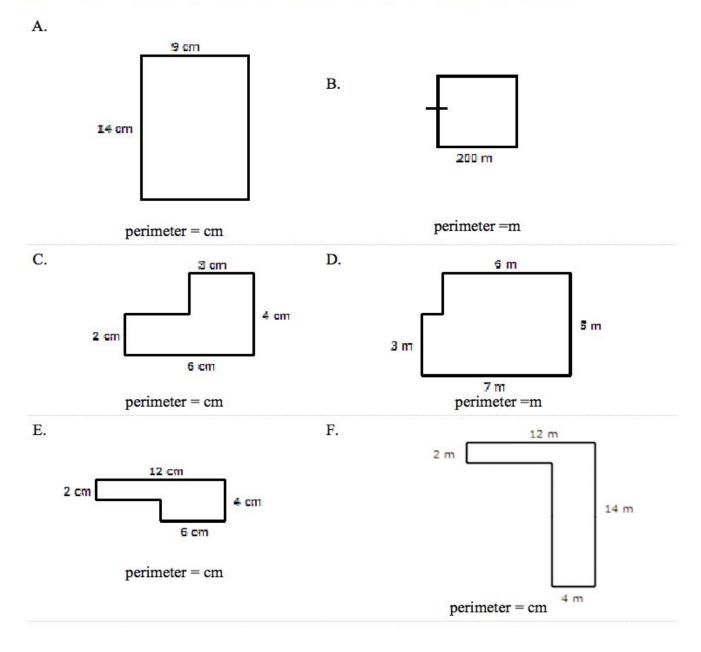


7. What is the area?



### YEAR 4 Maths - Skill 2

10. Calculate and write the *perimeter* for each of the shapes below. (Do not measure)





#### YEAR 4 Maths - Skill 3

**1.** At track practice, George practiced running the hurdles for 2 hours and 10 minutes. Then he practiced the high jump for 15 minutes. If George's track practice ended at 2:50 P.M., what time did it start?

2. On Monday at camp, Michal went for a hike at 4:20 A.M. The hike took 2 hours and 50 minutes. As soon as he got back from the hike, Michal played football for 30 minutes. What time did Michal finish playing football?

**3.** Before recess, Jackson has English class for 1 hour and 15 minutes. Recess lasts for 30 minutes and ends at 11:55 A.M. What time does his English class start?

**4.** After school, Alex had a science club meeting for 1 hour and 10 minutes, followed by a choir rehearsal that lasted for 1 hour and 20 minutes. If Alex got out of school at 3:20 P.M., what time did the choir rehearsal end?

**5.** Laura started her homework at 8.10 p.m. She finished it at 9.05 p.m. How long did she take to do her homework?

6. A metro train travels from town A to town B. It leaves town A at 7.30 a.m. Monday. The journey takes 16 h 25 min. When would the train arrive in town B?

Look at the following schedule:

Train schedule				
Rocky Ravine Town	4:30 A.M.		7:15 P.M.	
Floral Gardens	5:30 A.M.	6:15 A.M.	8:15 P.M.	8:45 P.M.
Snowy Mountain		7:15 A.M.	9:15 P.M.	
Michigan Town	5:45 A.M.	7:00 A.M.	10:00 P.M.	10:15 P.M.
City of Green Trees	7:30 A.M.	8:45 A.M.	10:45 P.M.	
Chickenville	8:15 A.M.			11:30 P.M.
Gecko Paradise	9:15 A.M.	9:30 A.M.	12:15 A.M.	12:30 A.M.
Happy Cow Farm	10:15 A.M.	10:30 A.M.		1:30 A.M.
Rollercoaster Land	10:45 A.M.	11:00 A.M.	1:00 A.M.	

A. Aleena just missed the 5:45 A.M. train at Michigan Town. What time is the next train?

B. From Floral Gardens at what time is the last train?



## YEAR 4 HOMEWORK - Pack 12 skill 3

Look at the following schedule:

Ferry schedule				
Bay Harbor	6:10 A.M.		8:45 A.M.	8:00 A.M.
Beach Town		8:30 A.M.	9:30 A.M.	
Windy Sands	7:45 A.M.	10:15 A.M.		10:45 A.M.
Cliff View		12:00 P.M.	12:15 P.M.	12:30 P.M.
Sandy Shores		1:45 P.M.	2:00 P.M.	2:15 P.M.
Starfish City	9:15 A.M.		3:15 P.M.	3:30 P.M.
Crest View	10:45 A.M.	3:00 P.M.	4:45 P.M.	5:00 P.M.

- A. Jill got on the 10:45 P.M. ferry at Crest View. Next ferry is at what time?
- B. Joshef has to catch the first ferry from Beach Town. At what time is the first ferry?
- 9. Convert:
- A. 1 years 3 months = \_\_\_\_\_months
- B. 1 years 5 months = \_\_\_\_\_months
- C. 2 years 2 months = \_\_\_\_\_months
- D. 3 years 1 month = \_\_\_\_\_months
- E. 3 years 5 months = \_\_\_\_\_months
- F. 3 years 1 month = \_\_\_\_\_months
- G. 3 years 7 months = \_\_\_\_\_months





#### YEAR 4 Maths - Arithmetic

1)	42 ÷ 6				
2)	How much more to make £2?				
3)	10 x 4 = 33 +				
4)	What is the name of this shape?				
5)	20 + 300 + 7 + 1000				
6)	8 x 6				
7)	Round 5638 to the nearest 100.				
8)	What is $\frac{3}{7} + \frac{2}{7}$				
9)	0.3 + = 1.2				
10)	four thousand subtract four				
11)	Joe is 6 years older than Molly. Molly is half the age of Luke. If				
	Luke is 26 years old, how old is Joe?				
12)	(1 gallon = 8 pints) How many pints in 5 gallons?				
13)	A banana costs 24p. How much does a bunch of 4 cost?				
14)	Measure this line in cm.				
15)	I have £2. I spend 68p. How much do I have left?				
16)	An egg weighs about 7g 70g 700g 7000g?				





#### YEAR 4 Maths - Arithmetic

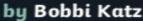
1)	Write down the number four thousand and sixteen.		
2)	154 + 30		
3)	How many tens in 180?		
4)	Round 828 to the nearest 100.		
5)	Half of 72		
6)	60 subtract 17		
7)	What is the perimeter of this rectangle?		
	2 cm		
	12 cm		
8)	4000 + 300 + 5 =		
9)	24 ÷ 8		
10)	What digital time is shown on the clock. $y = \frac{11}{9}$		
11)	What is the remainder when 22 is divide by 5?		
12)	A train journey takes 1 hour 40 minutes. If I set off at 9:30am what time would I arrive?		
13)	How many meters is 3 ½ kilometres?		
14)	The temperature on a cold day is -3°C. It rises by 5°C. What is the temperature now?		
15)	<sup>3</sup> / <sub>8</sub> + = 1		
16)	I am a square with sides length 4cm. What is my area?		

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### YEAR 4 Reading - Text 1

# When I'm an Astronaut





First I'll get into my spacesuit. Then I'll bravely wave good-by. Next I'll climb into my spacecraft Built to sail right through the sky! In command inside the capsule, I will talk to ground control. When we've checked out all the systems, I'll say, "Let the countdown roll!" And it's 4-3-2-1 - blast off - -With a smile upon my face, I'll spin loops around the planets up, up, up in outer space!







## YEAR 4 Reading - Text 1

## When I'm an Astronaut

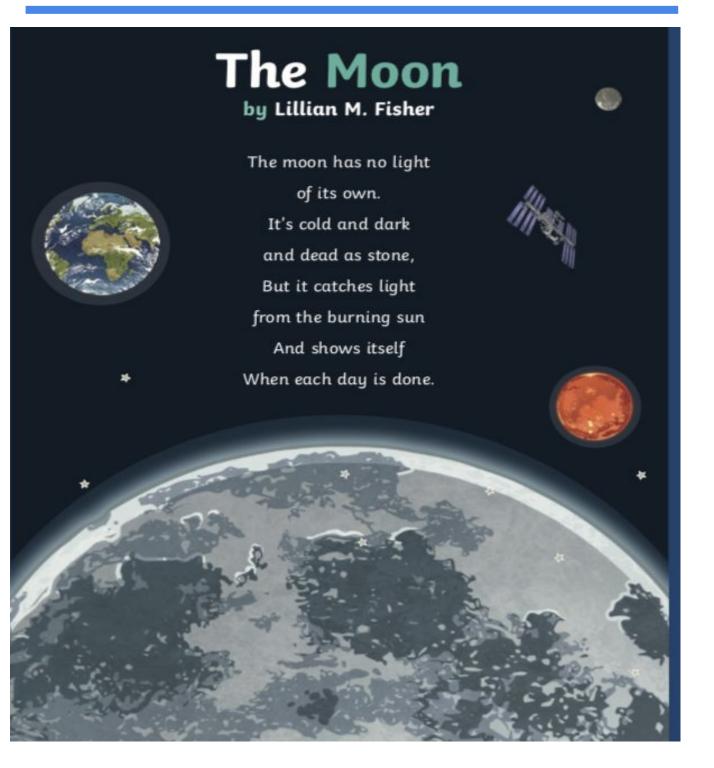
- 1. Find and copy an adverb used in the poem.
- 2. What two things does the astronaut do before getting into the rocket?
- 3. What do you think 'ground control' is?
- 4. Do you think the astronaut enjoys going into space? Why?
- 5. What do you think the astronaut would see when looking out of the rocket?



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## YEAR 4 Reading - Text 2

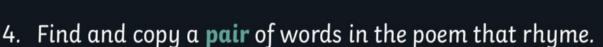




## YEAR 4 Reading - Text 2

## The Moon

- 1. What simile does the poet use to describe the moon?
- 2. Write down all the adjectives in the poem.
- 3. What do you think the author means by 'catches the light from the burning sun'?

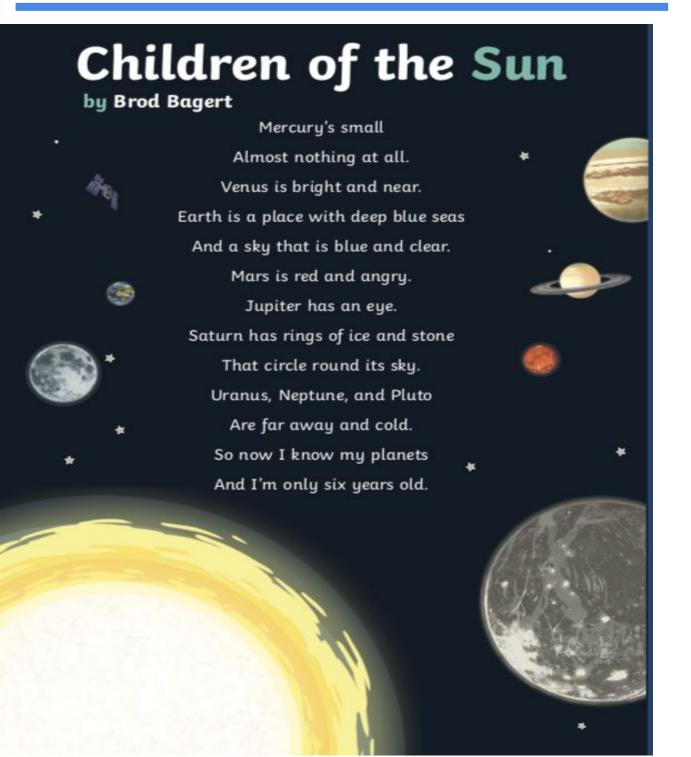


5. Think of a different simile that could be used to describe the moon and write it below.

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### YEAR 4 Reading - Text 3





## YEAR 4 Reading - Text 3

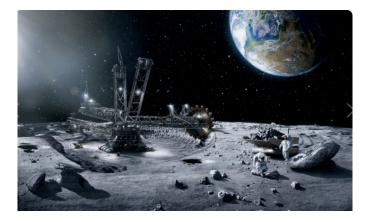
### Children of the Sun

- Write down a **pair** of rhyming words that appear in the poem.
- 2. Why do you think the poet describes Mars as 'angry'?
- 3. Why does the poet describe Jupiter as having an 'eye'? Use the illustration on the poem to help you.
- 4. Why do you think the poet has called the poem 'Children of the Sun'?

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#### YEAR 4 Writing



#### Story starter!

"Houston come in. Houston come in. This is Apollo 11. We have touched down on the surface of the moon. Over."

"Apollo 11, this is Houston. You are clear to begin your mission. Over."

Gazing around in a state of awe and wonder, the astronaut stood and admired what he saw. Outer space was a thing of pure beauty: a never-ending chasm of blackness, illuminated by stars that sparkled like beautiful diamonds.

He took a few steps forward, smiling at the joy of the feeling of weightlessness that never ceased to amaze him. Happy that his oxygen levels were high and his friends were close by, the astronaut set about his mission.

All seemed to be going well, but then the warning alarm on the ship sounded...

"Houston. Houston come in! Houston, we have a problem..."

Can you continue the story of the Apollo mission to the moon?

#### **Question time!**

What could the warning alarm mean?

Can you describe what it might feel like to be walking on the moon?

It is extremely expensive to send a man/woman into space. It is even more expensive and dangerous to send people to the moon: it hasn't been attempted for many years. Do you think it is important that we try to understand more about space and the moon?

In the year 2013, 200'000 people from 140 different countries applied to take part in a special project: to become the first people to live on Mars in the year 2023. Do you think that living in space is something that might one day be considered 'normal'? Is it something you would like to do? Can you make a list of reasons for/against living on Mars?

#### Sentence challenge!

Can you use subordination in a sentence, using a main clause and a subordinate clause?

Can you separate the clauses using a comma?

Can you use one of the following conjunctions to link your clauses: but, or, yet, so?

e.g. The mission so far had gone exactly to plan, but now there was a sense of dread and panic as the alarm sounded.

#### **Perfect picture!**

Imagine you are exploring the surface of the moon as an astronaut. Can you draw what you might see?





#### YEAR 4 Writing

Use the image on the previous page to continue the story. There are some questions you can ask yourself which may give you some ideas of how to continue the story. There are also so sentences challenges, you may want to plan these sentences before you start writing.

Part	Image	Notes/ Guidance
Once Upon A Time	These two parts have	Introduce main characters,how they are linked, where they are.
Every day	already been written in the story starter.	Background info that tells us something about the character
One day		An event that changes what they do every day. (change in place, routine, circumstance, meeting someone new)
Because of that		What problems do the changes cause?
Because of that		What do they do to try and overcome these problems?
Until Finally		They overcome the problem and something has changed. (Every day is now different)





#### Where Is It?

#### Fronted Adverbials to Show Location

Fronted adverbials can be added to sentences to describe location. They tell the reader where something takes place. For example:

In class, the boy sat listening to his teacher.

The fronted adverbial in this sentence is '**In class**' because it tells the reader where the boy is. In the activity below, please match the fronted adverbial with the correct sentence to explain where it happens.

In a forest, Below the waves, Behind the counter, In the park, On the table, On a rock. the fish swam quickly.



Jack went on the swings.

Sarah placed her book and pen.

the monkeys swung through the trees.

the mermaid watched ships passing.

the shopkeeper stood serving customers.

#### Challenge!

Add a fronted adverbial to each of these sentences to explain where they might happen.

\_\_\_\_\_\_, Emma ate delicious ice cream.
 \_\_\_\_\_\_, the lion loudly roared.
 \_\_\_\_\_\_, the car beeped its horn.





#### When Did It Happen?

#### Fronted Adverbials to Show Time

Fronted adverbials can be added to sentences to describe time. They tell the reader when something takes place. For example:

Early in morning, I went for a stroll in the park.

The fronted adverbial in this sentence is 'Early in the morning' because it tells the reader when the stroll took place. In the activity below, please match the fronted adverbial with the correct sentence to explain when it happens.

After a while,Siraaj ate his delicious dessert.Every year,John had to put his uniform on.Before school,many people celebrate Christmas.In the evening sun,long shadows stretched across the ground.After dinner,I celebrate my birthday.In December,the rain cleared and the sun came out.



#### Challenge!

Add a fronted adverbial to each of these sentences to explain when they might have happened.

- 1. \_\_\_\_\_, I get ready to go to school.
- 2.\_\_\_\_\_, the dog went to sleep.
- 3. \_\_\_\_\_, Claire cleaned her teeth.





#### How Did It Happen?

#### Fronted Adverbials to Show Manner

Fronted adverbials can also be added to sentences to describe manner. They explain to the reader how something happens. They can be a single word or a phrase. For example:

Without a sound, the boy entered the room.

The fronted adverbial in this sentence is '**Without a sound**' because it tells the reader how the boy entered the room. Use the words and phrases in the word bank to complete the sentences below with a **fronted adverbial** for manner (to show how it happened).

- \_\_\_\_\_\_, the girl ran through the park.
   \_\_\_\_\_\_\_, the sun disappeared and it began to rain.
   \_\_\_\_\_\_\_, Jack and Sarah entered the haunted house.
   \_\_\_\_\_\_\_, the fish swam away from the terrifying shark.
   \_\_\_\_\_\_\_, the frog jumped from lily pad to lily pad.
   \_\_\_\_\_\_\_, the knight fought the mighty dragon.
   \_\_\_\_\_\_\_, the witch cast a magical spell.
   \_\_\_\_\_\_\_, Hamsa opened his birthday present.
  - With a smile
  - Suddenly
  - With a wave of her wand
  - Like lightning

- Fearfully
- With great courage
- Like an acrobat
- Nervously



### YEAR 4 Grammar - Skill 1

#### **Missing Commas**

Oh dear! Somebody has written the following sentences but has forgotten to place a comma after the fronted adverbials. Find where the comma should go and add it to each sentence.

- 1. Early one morning I went for a jog.
- 2. Nervously Sameera started to sing on stage.
- 3. Beneath the crashing waves the dolphins quickly swam.
- 4. From her window the princess let down her hair.
- 5. In January the weather is very cold.
- 6. With a loud roar the T. rex chased the smaller dinosaur.
- 7. After lunch the girl went to play in the garden.
- 8. Inside school the children were working hard.

Write your own sentences using the fronted adverbials below. Remember to add a comma after each fronted adverbial.

- Under the crashing waves
- As the sun was setting
- Like a statue





#### **Adding Adverbials**

Here is a short description of a tropical rainforest. However, the writer hasn't included any fronted adverbials in the story. Try to improve the text by adding fronted adverbials. In this activity, you must decide where to add the fronted adverbials yourself and what type of adverbials to use. For example:

The parrots were preening their feathers.

Early in the morning, the parrots were preening their feathers.

Remember:

- You can add fronted adverbials to answer the questions Where? When? How?
- Place a comma after each fronted adverbial.



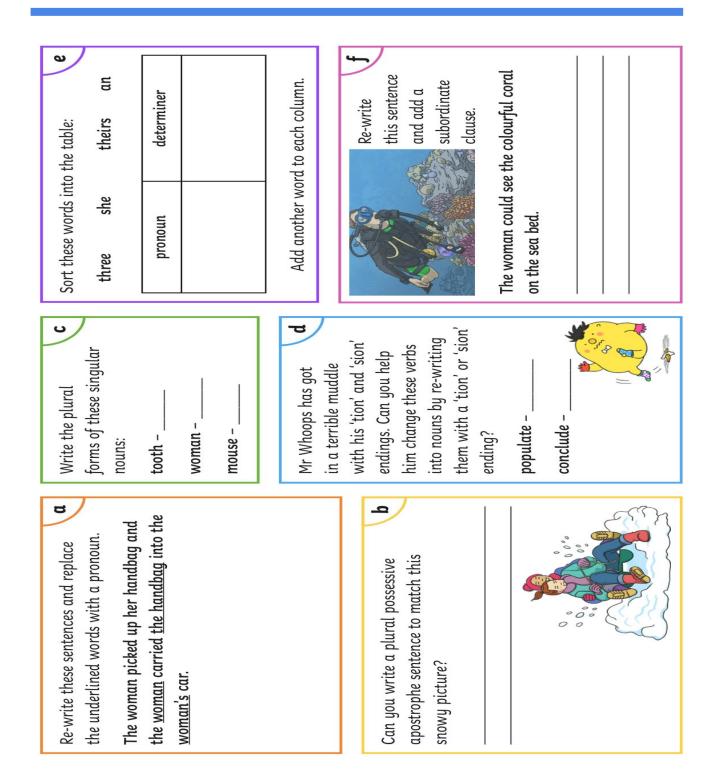
The sun began to rise over a tropical rainforest. The sounds of different animals could be heard as they carried out their daily activities. A roaring waterfall cascaded down into the cool river. The sunlight sparkled and glittered on the water's surface. The sweet scents of tropical flowers drifted whilst insects went from

plant to plant. A butterfly flapped its wings whilst a blue frog watched. A silky black jaguar was sitting on a rock relaxing in the sun. The monkeys began to howl as they saw a spotted jaguar strolling through the water. The parrots began to flap their wings and took flight to escape the noise. The spotted jaguar lapped up some water and then disappeared into the undergrowth, looking for prey. The sun began to set.

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### **YEAR 4 Grammar - Random Questions**

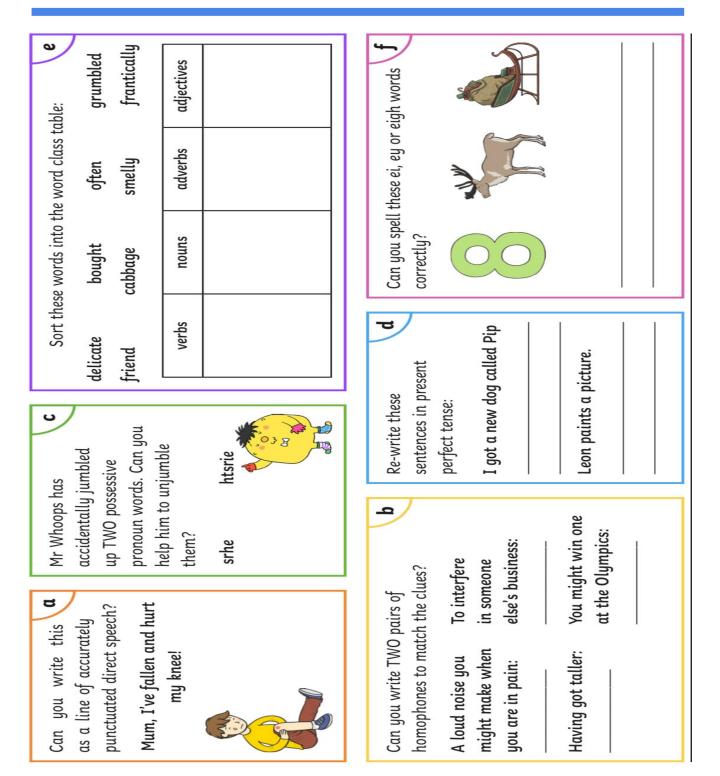




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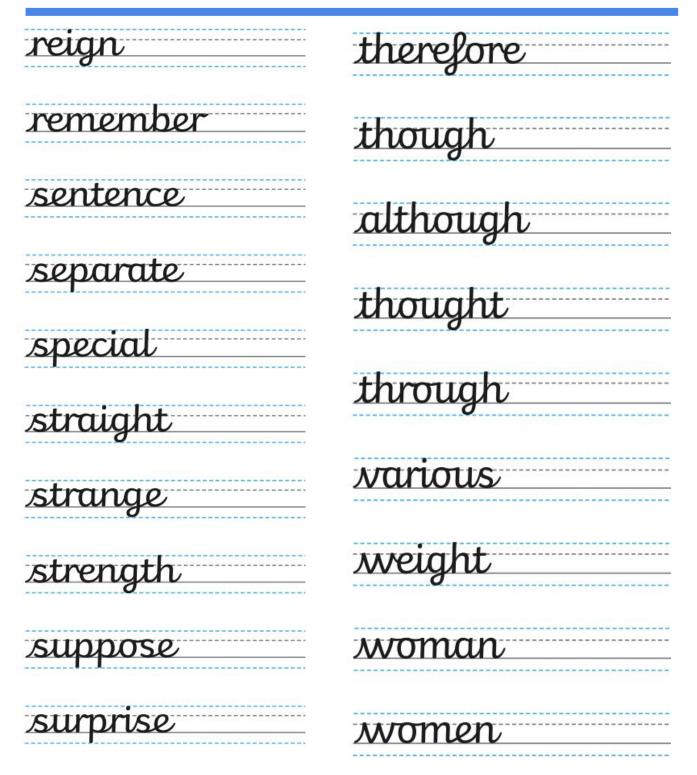
#### **YEAR 4 Grammar - Random Questions**



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### YEAR 4 Spelling Rule



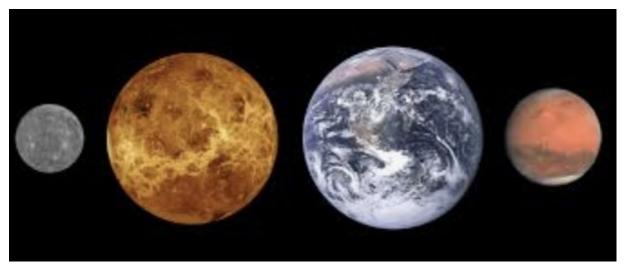




## YEAR 4 Science

https://www.bbc.co.uk/bitesize/topics/zdrrd2p/articles/ztsdj6f

Use the link above to watch the video, then play the quiz about the Rocky planets



Rocky planet facts

- The four rocky planets are Mercury, Venus, Earth and Mars.
- They are the closest four planets to the Sun.
- They are made of rocks and metals.
- They have a solid surface and a core which is mainly made of iron.
- They are much smaller than the gas planets and rotate more slowly.



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## YEAR 4 Faith and Belief / French







#### Mother Teresa

Mo Farah

The Dalai Lama

These three people are all from different faiths. Choose one to research and fill in the fact file on the next page.





### YEAR 4 Faith and Belief / French

#### **People of Faith Fact File**

Fill in the fact file. You can select a person of your own choice or choose from one you have learnt about.

Name:
Date of birth:
Place of birth:
Faith or belief system:
Drawing of:

What was the most important event in this person's life?

How did this person's beliefs and/or faith influence them?

-



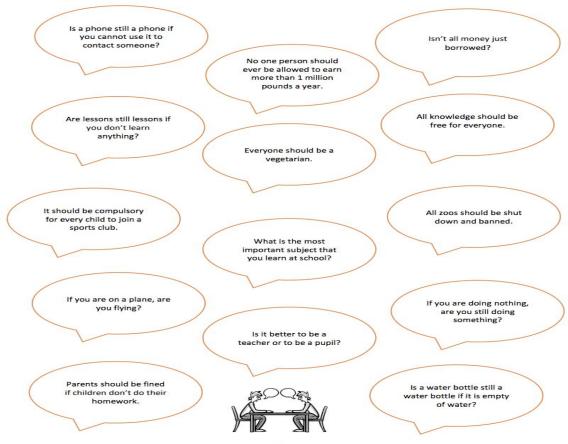


#### YEAR 4 - Extras

https://kids.nationalgeographic.com/games/personality-quizzes/plane ts-personality/

Take this planet quiz to see which planet you really belong on.

Talking tasks- you may want to do these over dinner with your parents or on a facetime call with your friends or family.





### YEAR 4 END OF YEAR EXPECTATIONS

This page provides information for parents and carers about the end of year expectations for Year Four children in our school. These expectations have been identified as being the minimum requirements your child must meet in order to ensure continued progress throughout the following year.

#### <u>Reading</u>

- Read a range of texts for enjoyment
- Re-tell some stories orally with expression
- Give a personal point of view on a text
- · Identify theme's and conventions in a wide range of books
- Discuss words and phrases that capture the reader's interest and imagination
- Recognise and perform different forms of poetry
- Explain a text with confidence
- Justify inferences with evidence, predicting what might happen from details stated or implied
- Identify how sentence type can be changed by altering word order, tenses, adding/deleting words or amending punctuation
- Skim and scan to locate information and/or answer a question

#### Speaking and Listening

- Articulate and justify opinions
- Speak with clear diction so that the audience can hear what is being said
- Maintain and monitor the interest of the listener
- $\boldsymbol{\cdot}$  Participate in discussions, taking turns and listening to what others have to say



## YEAR 4 END OF YEAR EXPECTATIONS

#### <u>Writing</u>

- Plan, draft and write in a range of genres
- Proofread for spelling and punctuation errors
- · Evaluate and edit own and others writing
- Read aloud own work, to a group or the whole class using appropriate intonation and tone
- Build a varied and rich range of vocabulary
- Use adjectival phrases (e.g. biting cold wind)
- Vary sentence structure, using different openers
- · Appropriate choice of noun or pronoun
- · Apostrophe for singular & plural possession
- Comma after fronted adverbial (e.g. Later that day, I heard some good news.)
- Use commas to mark clauses
- Use connectives to link paragraphs around a theme
- · Legible, joined handwriting of consistent quality
- · Spell common homophones
- Use prefixes and suffixes
- Spell words that are often misspelt



#### YEAR 4 END OF YEAR EXPECTATIONS

#### <u>Maths</u>

- Count backwards through zero to include negative numbers
- Compare and order numbers beyond 1000
- Compare and order numbers with 2 decimal places
- $\cdot$  Read Roman numerals to 100 (I to C)  $\cdot$  Find 1000 more/less than a given number
- Count in multiples of 6, 7, 9, 25 & 1000
- Recall & use multiplication & division facts for all tables to 12 × 12
- Recognise Place Value of any 4-digit number
- Round any number to the nearest 10, 100 or 1000
- Round decimals with 1dp to nearest whole number
- Add & subtract: Numbers with up to 4-digits using efficient written method Numbers with up to 1dp
- Multiply 2-digit by 1-digit numbers and 3-digit by 1-digit numbers using column multiplication
- Divide 3-digit by 1-digit using short division
- · Count up/down in hundredths
- +/- fractions with same denominator
- Identify simple equivalent fractions
- Add and subtract fractions with common denominators
- $\boldsymbol{\cdot}$  Recognise and write decimal equivalents of any number of tenths or hundredths
- Recognise, round and write decimal equivalents
- Read, write & convert time between analogue & digital, 12 & 24 hour clocks
- Compare 2-D shapes, including quadrilaterals and triangles
- Find the area and perimeter of a shape
- Estimate and calculate measurements
- Identify properties of angles
- Introduce simple translations and identify symmetry
- Use coordinates
- Use bar charts, pictograms and line graphs
- Estimate, compare and calculate different measurements, including money in pounds and pence
- Solve number and real-life problems