Marlborough Primary Academy

Home Learning

Class 45B

Week Beginning

15/06/2020

	Marlborough Primary Academy	**Class 4/5B**	**Home Learning**	**Date 15/06/20**

ENGLISH: Reading

Your reading this week is the text on mythical stories. You'll find it on the next pages! Choose the right level for you.

MATHS

LO: I can work out the area of a shape

Today your challenge is to work out the area of a shape.
The next page has a help sheet to explain area to you and to get you started. You could also try
When you've had a look at that, try this:
Work out the area of your favourite book
Using squared paper, draw around your book.
Count the squares inside the drawing to work out the area of your book.
What else can you find the area of? Look for rectangles and squares in your home and draw around them!

STEM: Art

Try this colourful and creative idea. Trace around your hands and then fill in the shapes with amazing patterns. For inspiration try researching mehndi patterns.

The Story of Icarus

King Minos looked out of the window and spotted the boat that his messenger had just mentioned. Ordinarily, he was not interested in those entering or leaving Crete but one of the passengers had been banished from Athens. All reports described him as a genius. He had even fooled Hercules with his inventions. The King smiled; this man was going to be very useful.

A short while after Daedalus had arrived on the island of Crete, he was taken to the palace and asked to become the King's master craftsman. "I have a way to use your skills," explained the King. "There is a Minotaur who terrorises Crete and we have been unable to contain it. I need you to build a maze that it will not be able to escape from."

Pleased that his reputation had followed him, Daedalus set to work. Helped by his son, Icarus, the pair designed and built an incredible labyrinth. When it was finally finished, the Minotaur was captured and locked away. The people of Crete celebrated and thought that Daedalus and Icarus were heroes.

Weeks later, Daedalus was approached by a man named Theseus. He explained to Daedalus that he planned to slay the Minotaur but that he needed Daedalus's help to navigate the labyrinth. Unable to ignore the idea that this was a truly heroic act, Daedalus agreed. King Minos's daughter joined them and the three completed their mission before escaping the labyrinth. Immediately, Theseus fled back to Athens with King Minos's daughter beside him. Daedalus was surprised by the hero's sudden departure and began to worry that he had made a terrible mistake.

Less than an hour had passed before the furious King had locked Daedalus and Icarus within the labyrinth. He was outraged that Daedalus would dare to put his daughter in danger. Without having planned his route this time, Daedalus was lost in the labyrinth. Days went past and he couldn't think of how to escape.

One day, Daedalus was distracted by a flock of birds flying high in the sky. "That's it!" he shouted to Icarus, "Go and collect every feather that you can find." When Icarus had collected enough feathers, Daedalus carefully attached them to large wooden frames using wax from the candles which lit their prison. By sunrise, both Icarus and Daedalus had a pair of wings.

"Before we go," warned Daedalus, "I need you to listen carefully. While I'm sure that these wings will work, there are two rules which you must follow. The first is that you must not fly too close to the sea for the feathers will absorb the water and become too heavy to fly. The second is that you must not fly too close to the sun for, if you do, the wax which holds the feathers together will melt. Do you understand?"

Icarus nodded and the two began to beat their wings. Higher and higher they rose until the labyrinth was just a speck below them. Daedalus looked at his son, who was soaring like an eagle, and felt proud. They were free.

Icarus looked around and realised that he was closer to the gods than any human had ever been. Amazed by this thought, he forgot his father's warning; he began to soar higher until the heat from the sun became too much for the wax that held the feathers in place. With no feathers, Icarus began to spiral down towards the sea. He hit the surface with a crash and was never seen again.
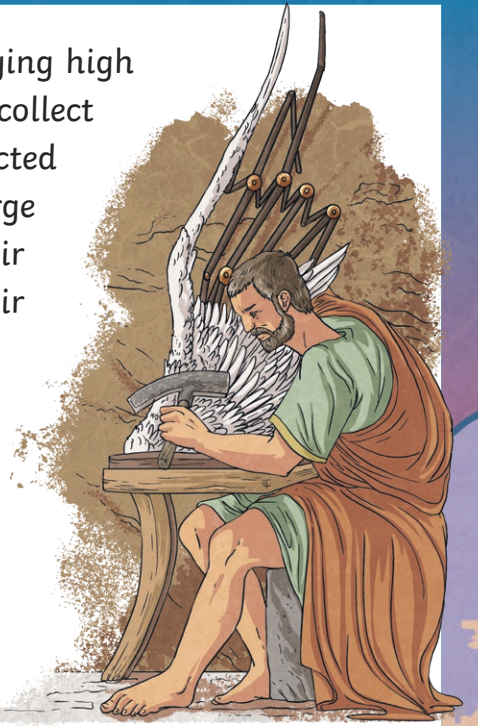
Questions

1. Number the events from 1-4 to show the order that they happened in.

   ☐ Icarus helps his father to create a giant labyrinth.

   ☐ King Minos's daughter heads to Athens.

   ☐ King Minos receives a message about a genius inventor.

   ☐ Icarus forgets his father's warnings.

2. Why does Theseus ask Daedalus for help? Tick one.

   ○ He is scared of the Minotaur.

   ○ He needs Daedalus to guide him through the labyrinth.

   ○ The Minotaur is strong and needs two people to slay it.

   ○ He wants to trap Daedalus inside the labyrinth.

3. Draw four lines to show how Daedalus is feeling at each point in the story.

Daedalus is asked to be the King's master craftsman.		inspired
Daedalus sees Icarus flying.		pleased
Daedalus sees a flock of birds.		worried
Daedalus sees Theseus flee back to Athens.		proud

4. Why did King Minos lock Daedalus and Icarus away in the labyrinth? Tick one.

   ○ Daedalus had broken a promise to him.

   ○ Daedalus had put the King's daughter in danger.

   ○ Icarus had helped to slay the Minotaur without the King's knowledge.

   ○ Icarus had taken the King's daughter to a dangerous place.

5. Look at the paragraph beginning **Less than an hour...** Find and copy **two** words which show that the King is unhappy.

   _____

   _____

6. What two warnings does Daedalus give to Icarus?

    1. _____

    _____

    2. _____

    _____

7. Describe Daedalus's character. Explain your answer.

    _____

    _____

    _____

8. Most Greek myths have a message or moral in them. What do you think the message or moral is in this story? Explain your answer.

    _____

    _____

    _____

The Story of Icarus

King Minos was intrigued. He peered out of the window and watched as the boat drew closer. Ordinarily, he paid no attention to those entering or leaving Crete but the messenger had forewarned him: this man had been exiled from Athens yet all reports described him as a genius. It was rumoured that he had even fooled Hercules with his inventions. An idea sparked in the King's mind; maybe this man was the answer to all of his problems.

A short while after Daedalus had landed on the island of Crete, he was kneeling at the base of a large throne and vowing to become the King's master craftsman. "I require your skills," demanded the revered King. "There is a Minotaur who runs rampant around here. Despite our best efforts, we have been unable to contain it. I require you to build a maze that it will be unable to escape from."

Pleased that his reputation as a skilled inventor had followed him, Daedalus set to work. Aided by his son, Icarus, the pair spent the next few months constructing an incredible and intricate labyrinth. When the time of its completion arrived, the Minotaur was captured and locked away. The people of Crete rejoiced and saw Daedalus and Icarus as heroes.

One day, Daedalus was approached by a man named Theseus. He explained to Daedalus that he planned to slay the Minotaur and needed his help to navigate the enormous maze. Unable to ignore the idea that this was a truly heroic feat which would cement his name firmly into Crete's history, Daedalus agreed. Joined by King Minos's daughter, the three completed their mission and escaped the labyrinth. However, instead of waiting to receive praise and glory, Theseus fled back to Athens with King Minos's daughter beside him. Daedalus was surprised by the hero's sudden departure and began to consider whether his actions were not heroic after all.

Less than an hour had passed before the King, furious about his lost daughter, had locked Daedalus and Icarus within the labyrinth. Without having plotted his route this time, Daedalus knew that there was no way out. Days went past and Daedalus crafted plot after plot. Icarus began to test each wall to see if they could be scaled but it was no use; the labyrinth had been too well designed and escape was surely impossible.

One day, as he was praying to the gods, Daedalus was distracted by a flock of birds flying high in the sky. "That's it!" he shouted to Icarus, "Go and collect every fallen feather that you can find." When Icarus had collected enough feathers, he carefully attached them to large wooden frames using wax from the candles which lit their prison. By sunrise, both Icarus and Daedalus had a pair of wings.

"Before we go," warned Daedalus, "I need you to listen carefully. While I'm sure that these wings will work, I have only been able to use the tools available within this labyrinth. Therefore, there are two rules which you must adhere to. The first is that you must not fly too close to the sea for the feathers will absorb the water and become too heavy to fly. The second is that you must not fly too close to the sun for, if you do, the wax which holds the feathers together will melt. Do you understand?"

Icarus nodded and the two began to beat their wings in unison. They rose higher and higher until the labyrinth was a mere speck below them. Daedalus looked at his son, who was soaring like an eagle, and felt proud. They had done it; they were free.

Looking upwards, Icarus realised that he was closer to the gods than any mortal had ever been. Fascinated by this thought, he forgot his father's warning. He began to climb higher and higher until the heat became too much for the wax that held the feathers in place. With no feathers, Icarus began to spiral down towards the sea until he hit the surface with a crash and was never seen again.
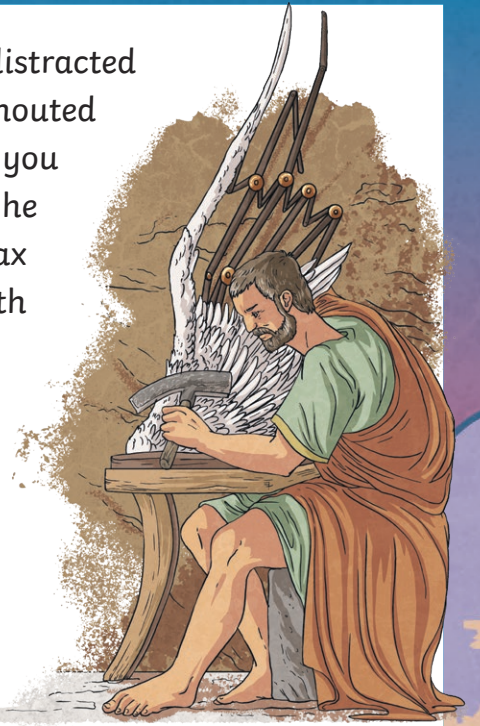
Questions

1. Number the events from 1-4 to show the order that they happened in.

☐ Icarus thinks about how close he is to the gods.

☐ Theseus returns to Athens.

☐ King Minos hears news of Daedalus's arrival.

☐ Icarus and Daedalus begin to fly to freedom.

2. Which of the following does Daedalus **not use** when creating the wings? Tick one.

○ wax

○ feathers

○ string

○ wood

3. Look at the paragraph beginning **A short while after...** Find and copy one word which means the same as **respected.**

_____

4. Why did Daedalus choose to help Theseus?

1. _____

2. _____

5. Explain what happened when Icarus flew too close to the sun.

_____

6. Argue that it was wrong of Daedalus to agree to help Theseus.

_____

_____

_____

7. Imagine that you are Icarus. What is going through your mind as the feathers begin to drop from your wings? _____

_____

_____

_____

8. Many Greek myths warn people not to think that they are gods. Do you think that this story is one of those myths? Tick one and give reasons for your answer.

☐ **Yes**
☐ **No**

_____

_____

_____

_____

_____

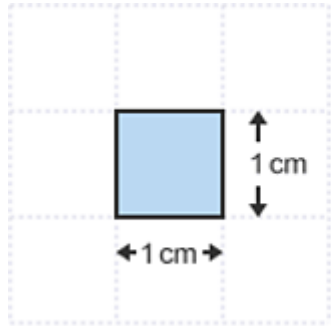# Maths learning sheet: Monday

How is area measured?

The area of a shape is a measure of the two-dimensional space that it covers.

The area can be found by counting the squares within the shape. All the squares must be the same size.

Here, each square has sides of 1cm.

We say that it has an area of **1cm squared.**

This can be written as **1cm².** The small 2 means 'squared'.
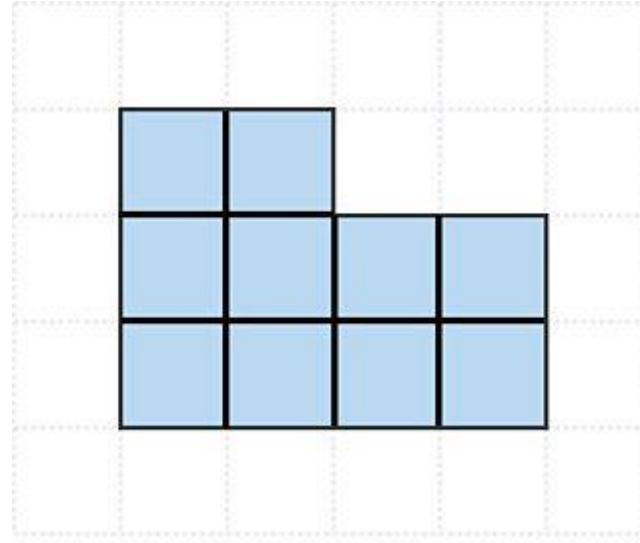
Can you see that this rectangle contains six squares?

It has two rows of three squares.

Each of the squares has an area of **1cm²**, so the area of the rectangle is **6cm²**.
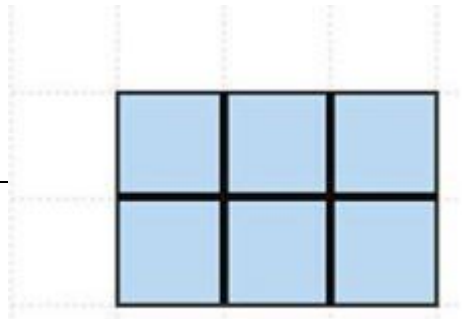
Question

What is the area of this shape? Count the squares to find out.

The answer is _**10cm²**_

There are 4 squares on the bottom row, 4 squares in the middle row and 2 squares on the top row. That's a total of 10 squares.

Each square is 1cm² so that's _**10cm²**_.

This is morning maths

Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

$810 \div 10 =$	$? + 70 = 40 + 69$	$912 - 718 =$
$88 \div 3 =$	$3 \times 3 \times \ = 72$	$471 \div 5 =$

![Marlborough Primary School logo]	**Marlborough Primary Academy**	**Class 4/5B**	**Home Learning**	**Date 16/05/20**

ENGLISH

This week we are focusing on the amazing image of a pilot's view!

Study the image and answer the questions on the next page.

Try to be imaginative, descriptive and thoughtful in your answers.

MATHS **LO: I can work out the area of a shape**

STEM: Science

Transpiration is where a plant takes in water through the roots and releases it through tiny holes in the leaves. This creates a flow of water and nutrients into the plant.

Try the experiment. You'll need a clear plastic bag, some string and access to a leafy green plant. See the experiment details on the Transpiration Experiment sheet.

Question time!

- Have you ever been on a plane? If so, can you describe what it feels like?

- If you have not, can you use your imagination to describe what it might be like?

- What other modes of transport have you been on? Which was your favourite/least favourite?

- Is there a mode of transport you would like to experience in the future?

- How do you think the world was different before flying was invented?

- How do you think transport will change in the future?

Transpiration Experiment

What do leaves do? One thing they do is to take energy from sunlight and use it to grow (photosynthesis). Another thing they do is transpiration. This is where water leaves the plant. Plants do this to help take in more nutrients.

You can observe this by tring a simple experiment. You'll need a clear plastic bag, string and access to a green plant. This is what you have to do.

Place your bag over a leafy branch or stem. Tie it tightly (but don't damage the plant).
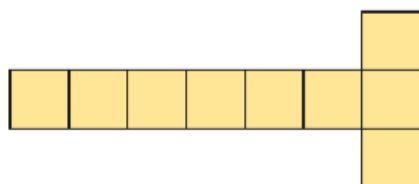
Now wait for an hour. What do you notice happening inside the bag?

Maths challenge sheet: Tuesday

Start with the box on the left. If you can do that, then try the box on the right! If you can't send me a message to ask for help.
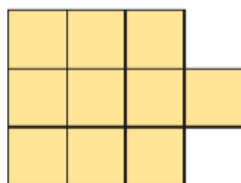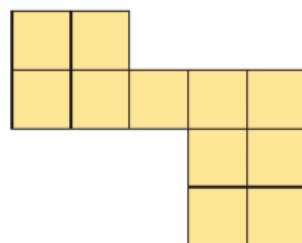
1 Count the squares in each shape to find the area.

A

The area is ☐ squares.

B

C

The area is ☐ squares.

The area is ☐ squares.

Which shape has the greatest area? _____

3 Here is a kitchen tile.

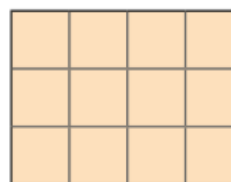a) What area of the tile is blue? ☐ squares

b) What area of the tile is white? ☐ squares

c) What is the total area of the tile? ☐ squares

5 Here is a rectangle.

a) The rectangle has ☐ rows and ☐ columns.

b) What is the area of the rectangle? ☐ squares

c) How did you work out the area?

This is morning maths

Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

Round 29.49 to the nearest multiple of 1.	Factors of 10 = 1, 10, 2, 5 (10 is a multiple of these numbers) Find two factors of 28	99 x 3 =
40 x 30 = (4 x 3 x 10 x 10)	120 x 5 = ? x 10	918 ÷ 9 =

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ENGLISH: Grammar

Have a go at the Sick Sentences and Sentence Challenge on the next sheet.

When healing the sick sentences think about how you could start each sentence.

Try starting with As, Below, With or Confidently

MATHS   LO: I can work out the area of a shape

Have a look at the challenging questions for today.
Think carefully and try to explain your answers.

STEM: Computing

Try the purple mash coding to do I've set for you.
This time you must pop some bubbles!

Don't forget to submit your work when it's done.

Sick Sentences and Sentence Challenge

Sentence challenge!

Verbs are action/doing words.

Which sentence(s) contains two verbs?

- The plane roared across the sky.
- The pilot took a deep breath and pushed down on the throttle.
- He glanced around him at the beautiful view.
- The shone shone brightly at him and he squinted back at it.

Sick sentences!

These sentences are 'sick' and need help to get better. Can you help?

- The plane went through the sky. There were clouds below. The sun came up. The captain pushed a button.
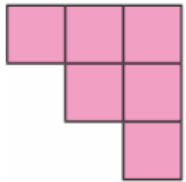
Maths challenge sheet: Wednesday

Start with the box on the left. If you can do that, then try the box on the right! If you can't send me a message to ask for help.
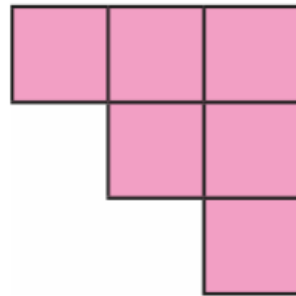
7 Nijah and Eva are making shapes.

They each use 6 squares.

Nijah's shape

Eva's shape

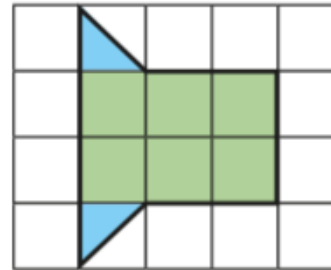The area of Nijah's shape is equal to the area of Eva's shape.

Is this true or false? _____

How do you know?

_____

_____
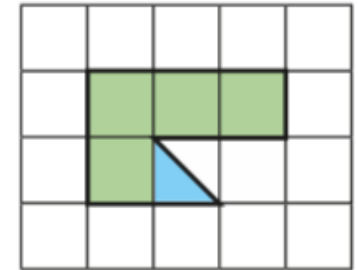
8 What is the area of each shape?

area = ☐ squares   area = ☐ squares

This is morning maths

Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

? ÷ 100 = 38	2248 + 1593 =	842 − 795 =
25 x 5 = 125 ? X 25 = 125 125 ÷ 5 = 125 ÷ 25 =	6 x 32 =	Round 8,417 to the nearest 1000

	Marlborough Primary Academy	**Class 4/5B**	**Home Learning**	**Date 18/05/20**

English: Writing Preparation

Tomorrow you're going to be writing a description of the view the pilot has in the image. These words will help!

Find out the definitions by using the internet or a dictionary:

Soaring
Altitude
Azure
Infinite

What other words might you need to help describe the view?

Use the planning sheet to prepare!

Daily activities – 5 a-day!

1) TTRockstars – 20 minutes

2) Morning maths – 15 minutes

3) Independent Reading – 30 minutes

4) Spelling – 20 minutes

5) P.E. – Joe Wicks workout

MATHS

I can use multiplication to find the area of rectangles.

The area of a rectangle is equal to width x height.

Example

B
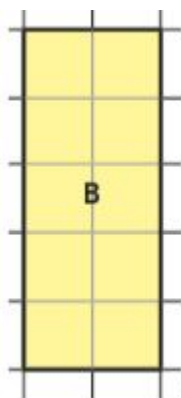
Width 2, height 5. 2 x 5 = 10 cm^2

STEM: Research

What can you find out about rainforests?

These amazing places are home to thousands of different plants and animals. Show what you have found out by making a fact sheet, diagram or poster.

Share what you have learned on your portfolio.

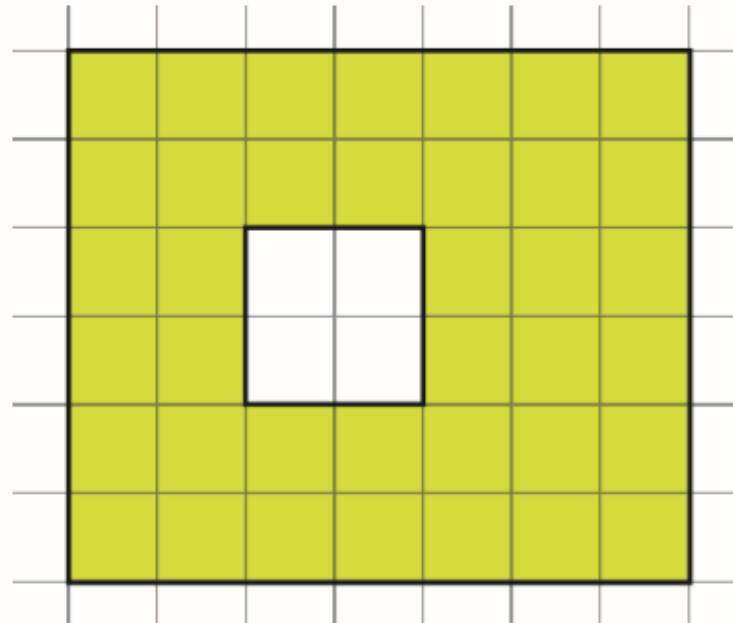# Maths challenge sheet: Thursday

Start with the box on the left. If you can do that, then try the box on the right! If you can't send me a message to ask for help.

Work out the areas of these shapes my multiplying the width and height.	Explain how to work out the area of this shape. Can you use multiplication and subtraction to do it?
A = ☐ squares B = ☐ squares C = ☐ squares	
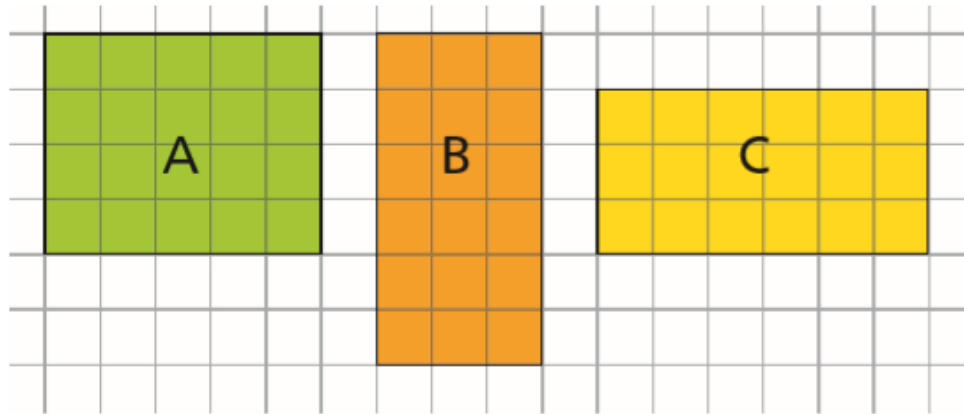
ENGLISH: writing prompt sheet.

	Story start: "There is no better feeling in the world than being up here" the pilot thought. Pressing a series of buttons to ensure the aircraft was on the right course, the skilled pilot sat back in the seat to enjoy the view. The sight never ceased to amaze, no matter how many times it had been seen.
Sentence starters I could use:	**Powerful vocabulary:**

This is morning maths

Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

$71 \div 10$	$43 + ? + 58 = 200$	$? - 999 = 845$
Round 92 to the nearest 10	$900 \times 3 =$	$540 \div 4 =$

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Daily activities – 5 a-day!

1) TTRockstars – 20 minutes

2) Morning maths – 15 minutes

3) Independent Reading – 30 minutes

4) Spelling – 20 minutes

5) P.E. – Joe Wicks workout

ENGLISH WRITING

Your task today is to continue this text with a detailed description.

"There is no better feeling in the world than being up here" the pilot thought. Pressing a series of buttons to ensure the aircraft was on the right course, the skilled pilot sat back in the seat to enjoy the view. The sight never ceased to amaze, no matter how many times it had been seen.

MATHS **LO: I can quickly recall times tables**

Your maths challenge today is to practise your times tables and then try the activity I've set for you on purple mash.

You can also practice your times tables and then try to fill in the times tables sheet on the next page.

STEM: Some plants are edible. That means we can eat them! But we eat different parts of different plants. Make a poster to show roots, leaves, stems, fruits, seeds and flowers that we eat.

For example:

Carrot roots   Celery stems

Maths challenge sheet: Friday   Fill in the multiplication square.

x	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

This is morning maths

Solve these problems using written or mental methods.

If you get stuck send me a dojo message!

6070 ÷ 10 =	37 + ? = 100	572 – ? = 199
Round 35.3 to the nearest 1	25 x 3 x 4 =	? ÷ 3 = 72