# Home Learning Pack 

 Year 5
## Week 2, Term 4, 2021



Public School

## Matrix - Week 2


monday Activities You are enough

## Monday - Spelling

The spelling mistakes in these sentences have been circled. Write the correct spelling for each circled
word in the box.

1. The athleet won gold at the sports carnival.
2. I felt nervus)as I waited for the race to start.
3. He sat down in a cumftabul)armchair.
4. Sarah carefully opened the treshure)chest.
5. He made a goodchoise.
6. She caught a tropical diseese)and had to go to
the hospital.
7. I shouted(lowdly)at the referee.
8. Thesercumfrense)of the circle was 18
centimetres.

## Monday - Spelling

Each sentence has one word that is incorrect. Write the correct spelling of the word in the box.

|  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

1. She stagered around feeling dizzy and confused.
2. It was a perfict day at the beach.
3. I heard an incredable story on the news about
a boy surviving an explosion.
4. You will recieve a certificate if you complete
the course.
5. Many people spend their holidays in foreign
countrys.
6. The man cheerfuly whistled a familiar tune.
7. I wondered happily through the ancient house.
8. It is important to have confidents in your own
abilities.

## Monday - Reading

I. Read marine mammals

- pages 4-৭

2. Complete the activities


Monday - Reading

Marine mammals live in
oceans, seas, lakes and rivers.
Like other mammals, they breathe air and are warm-blooded. They give birth to babies, not eggs, and produce milk to feed them.

There are four groups of marine mammals: - pinnipeds (seals and walruses)

- cetaceans (whales, dolphins and porpoises) - sirenians (dugongs and manatees) - carnivores (sea otters and polar bears). Marine mammals can stay underwater for a long time. Their heartbeats slow down when they dive. Many live in cold waters, where there are lots of fish.

Marine mammals have streamlined bodies and fins. These help the animals move smoothly through the water.

Monday - Reading


Monday - Reading


## Monday - Reading

## ACTIVITY I:

Use the information on page 4 to create a table displaying the 4 groups of mammals - use the headings:

- Pinnipeds
- Cetaceans
- Sirenians
- Carnivores


## ACTIVITY 2:

Find the words in bold on pages 4 and 6 and record a definition of each - there are 4

## Vocabulary

## Monday/Tuesday - Writing

## Message in a Bottle

Today you are going to plan and write a story that relates to the picture.


Your story could be about a person who wrote the message in a bottle or about a person who finds the message.

Look at the image - what do you see?
Spend 5-10 minutes planning your story using the questions on the next slide to help you

NOTE: You will have 2 days to work on your story so don't submit this task until you have planned, drafted, reviewed and edited your work.

## Monday/Tuesday - Writing

## Message in a Bottle

## Planning Questions:

Who are your characters?
Where is your story set?
Who wrote the message in the bottle?
Who found the message in the bottle?
What is the problem or complication and how will it be solved? How will your story end?

## Remember to:

- use descriptive language and interesting vocabulary
- include a setting and characters
- include a complication and a resolution
- use a range of punctuation
- use a range of devices e.g. similes, metaphors, alliteration and onomatopoeia
- write in full sentences
- organise your ideas into paragraphs
- pay attention to your spelling


## Monday/Tuesday - Writing

## Message in a Bottle

Plan your story here - think about the questions and use a $10 \times 2$ to start you off

Monday/Tuesday - Writing Message in a Bottle

Start writing here:

Monday/Tuesday - Writing
Message in a Bottle

Monday/Tuesday - Writing
Message in a Bottle

## Monday/Tuesday - Writing

## Message in a Bottle

Were you successful today?
$\square$ I planned my story using the picture as a prompt
$\square$ I have written in full sentences and checked my sentences make sense
$\square$ I have checked for spelling errors
$\square$ I have used correct punctuation including capital letters and full stops
$\square$ I have written in paragraphs
$\square$ I have used descriptive languageI have included a range of devices (similes, metaphors, alliteration etc)
$\square$ My story has a complicationMy story has a resolution

## Monday - Maths

## Year 5 Maths Term 4 Week 2 Whole Number <br> $\sim$ Place Value of Numbers of Any Size~

## Learning Intentions

- To be able to apply an understanding of place value and the role of zero to read and write numbers of any size.
- To be able to state the place value of digits in numbers of any size.


## Success Criteria

- I understand that zero plays a role in place value.
- I can say what the place value of each number represents in very large numbers.


## Problem of the Day

Have a go at this problem. It requires you to think logically.

## Figure this

Ben has a box with a number in it that is greater than 7.

Moana has a box with a number in it that is less than 9.

Tom has a box with a number in it that is greater than 5.

They all have the same number. What is it?

## Place Value \& Zero

The value of a digit as determined by its position in a number relative to the ones (or units) place. For integers the ones place is occupied by the rightmost digit in the number.

For example, in the number $\mathbf{2 5 9 4 . 6}$ the 4 denotes 4 ones, the 9 denotes 90 ones or 9 tens, the 5 denotes 500 ones or 5 hundreds, the 2 denotes 2000 ones or 2 thousands, and the 6 denotes $6 / 10$ of a one or 6 tenths.

| Thousands | Hundreds | Tens | Ones | $\cdot$ | Tenths |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 5 | 9 | 4 | $\cdot$ | 6 |

It is also very important to remember that the digit ' 0 ' holds a place anywhere inside a number and can also denote place value. For example in the number 7014529 the 9 denotes 9 ones, the 2 denotes 20 ones or 2 tens, the 5 denotes 500 ones or 5 hundreds, the 4 denotes 4000 ones or 4 thousands, the 1 denotes 10000 ones or 1 tens of thousands, the 0 denotes that there are no hundreds of thousands and the 7 denotes 7000000 ones of 7 millions.

| Millions | Hundreds of <br> thousands | Tens of <br> thousands | Thousands | Hundreds | Tens | Ones |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | 0 | 1 | 4 | 5 | 2 | 9 |

Try these for yourself.

Fill in the place value chart for each number. The first one has been done for you.

|  | Millions | Hundred <br> thousands | Ten <br> thousands | Thousands | Hundreds | Tens | Units |
| ---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 816958 |  | 8 | 1 | 6 | 9 | 5 | 8 |
| 1254958 |  |  |  |  |  |  |  |
| 91806 |  |  |  |  |  |  |  |
| 3048787 |  |  |  |  |  |  |  |
| 958656 |  |  |  |  |  |  |  |
| 1362055 |  |  |  |  |  |  |  |

## Place Value \& Zero

When we are looking at a digit that is holding a place it is important to understand what value the digit is actually holding. Let's look at the digit $\underline{\mathbf{5}}$ in these four whole numbers and see what the value of each is.
a) $1903 \underline{5} 72$ in this number the ' $\underline{5}$ ' has a value of $\underline{\mathbf{5 0 0}}$ because it is in the hundreds place.
b) $4 \underline{5} 10371$ in this number the ' $\underline{\text { ' }}$ ' has a value of $\underline{\mathbf{5 0 0} \mathbf{0 0 0}}$ because it is in the hundred thousands place.
c) $692460 \underline{5}$ in this number the ' $\underline{5}$ ' has a value of $\underline{5}$ because it is in the ones or units place.
d) $\underline{\mathbf{5}} 980036$ in this number the ' $\underline{\mathbf{5}}$ ' has a value of $\underline{\mathbf{5 0 0 0} \mathbf{0 0 0}}$ because it is in the millions place.

Try these for yourself. What is the value of the $\underline{8}$ in these numbers?

1) 7580 : $\qquad$ 2) 8201 : $\qquad$ 3) 781001 : $\qquad$
2) 1812057 : $\qquad$
3) $8902617:$ $\qquad$ 6) $20018:$ $\qquad$

Try this crossword out. You need to read the word clues and write the number in the correct places. Don't forget the zeros.


## Across

1. four thousand two hundred and seven
2. seven thousand and ninety four
3. two thousand five hundred and sixty
4. one thousand and forty seven
5. nine thousand and forty three

Down

1. four thousand and eighty six
2. seven hundred
3. two hundred and four
4. seven thousand and fifty
5. nine thousand two hundred and seven
6. two thousand one hundred and thirty
7. six thousand four hundred and three
8. sixty

## Reflection

I understand that zero plays a role in place value.
I can say what the place value of each number represents in very large numbers.

What is one new thing you learnt today in Mathematics?

## It's Prodigy Time

Remember to log into your class Prodigy account and enjoy up to 30mins of Prodigy Time!

## Monday-Science/STEM

## S.T.E.M. Challenge Term 4 Week 2

 Cleaning Up The Oceans - Part 2

## Pollution in the Oceans

Last week we looked at how pollution in the ocean is harmful to the fish, animals, reefs, and plants that need
the water to survive. Water pollution can also have damaging and disruptive impacts on the natural water cycle.

We also learnt that a lot of water pollution comes from human activity and our task was to create a prototype to help others understand the effects of pollution and waste
in our oceans and design a way to help make the oceans healthy again.
Your task today will need you to continue, improve and share your prototype with other people.


## Your Challenge - Improving Your Plan

- Now that you have your prototype from last lesson and you shared it with another person to get their evaluation, it is now time to finalise your project.
- Fifth Step: Think about the ways you can improve your prototype. This may mean you need to change, add or remove an element. You might also change the way you share or present your plan to make it more effective.


## Write down all the ways you are going to improve your prototype (You must

 be able to change something).
## Your Challenge - Finalising Prototype

- Sixth Step: It is now time to finalise your prototype. Make the changes you wrote about on the previous slide. Upload your final project in the box below. If you have created a movie or animation add a link or upload on a new page.
Upload your finalised project here:


## Your Challenge - Sharing Your Project

- Seventh Step: It is now time to share your project with other people. Remember the idea is to help others understand the effects of pollution and waste in our oceans. In this stage you need to think of 2 or 3 questions to ask people after they see your project, share your project with at least 3 other people and then record their responses to your questions.


## Your questions to ask:

1) 

$\qquad$
$\qquad$
2)
$\qquad$
$\qquad$
3)

- Write down the responses to your project in this box for each person you asked. Include who it was your shared your project with and what they thought. Person 1:

Person 2:

## Reflection

- What did you enjoy the most about this challenge?
- What challenges did you have and how did you overcome them?
- Were you able to share your idea effectively?

Tuesday
Activities
You are kind


Tuesday - Editing
After you have edited the paragraph, re-write the text correctly on the lines below.



## Tuesday - Reading

I. Read marine mammals

- pages IO-I3

2. Complete the activities


ACTIVITY I:
Record 3 key facts about Pinnipeds (pages IO-II)

## ACTIVITY 2:

Record 3 key facts about Sea Otters (pages 12-13)

## Tuesday - Reading




## Monday/Tuesday - Writing

## Message in a Bottle

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Look at the image - what do you see?
Spend 5-10 minutes planning your story using the questions on the next slide to help you

NOTE: You will have 2 days to work on your story so don't submit this task until you have planned, drafted, reviewed and edited your work.

## Monday/Tuesday - Writing

## Message in a Bottle

## Planning Questions:

Who are your characters?
Where is your story set?
Who wrote the message in the bottle?
Who found the message in the bottle?
What is the problem or complication and how will it be solved? How will your story end?

## Remember to:

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- use a range of punctuation
- use a range of devices e.g. similes, metaphors, alliteration and onomatopoeia
- write in full sentences
- organise your ideas into paragraphs
- pay attention to your spelling


## Monday/Tuesday - Writing

## Message in a Bottle

Plan your story here - think about the questions and use a $10 \times 2$ to start you off

Monday/Tuesday - Writing Message in a Bottle

Start writing here:

Monday/Tuesday - Writing
Message in a Bottle

Monday/Tuesday - Writing
Message in a Bottle

## Monday/Tuesday - Writing

## Message in a Bottle

Were you successful today?
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$\square$ I have used descriptive languageI have included a range of devices (similes, metaphors, alliteration etc)
$\square$ My story has a complicationMy story has a resolution

## Tuesday - Maths

## Year 5 Maths Term 4 Week 2 Whole Number ~Arranging Numbers~

## Learning Intentions

- To be able to understand the size of numbers and arrange a group of numbers in ascending or descending order.


## Success Criteria

- I understand that the number of places can determine its size.
- I understand that the digits 0-9 in specific places attribute to a number's size.
- I can order a set of numbers in ascending or descending order.


## Problem of the Day

Have a go at this problem. It requires you to think logically.

## Odd thing out

Eva, Tamati, Noah and Jo are looking at these shapes.
Eva says, "Hey, the first shape is the odd one out."
Tamati says, "No, Eva, the second one's the odd thing out!"

Noah says, "No, it's the third one!"
Jo says, "Well you are ALL wrong! The last one is clearly the odd thing out."

Who is right and why?


## Ordering Numbers

When ordering numbers, we need to pay close attention to the position and value of each digit.

The first thing we need to see is the number of digits in the number. For example, a five digit number like 10267 will be bigger than a four digit number like 9876.
The second aspect we need to focus on is the position of the digits in the numbers and it's value. For example these two numbers have five digits, 57201 \& 57291, and they have some of the same digits. Where they are different is in the Tens place where the first number has a 0 and the second a 9... this makes the second number larger.

Which is the largest in this group and why? $6093,3069,3960$ \& 6039

## Using Symbols to Order Numbers

We can order and compare numbers using symbols. The $<\&$ $>$ symbols can be used to represent 'less than' < \& 'greater than' >.

For example $\underline{12<78}$ and $\underline{502>498}$. Try these out for yourself.

| a | 6482 | 6681 | b | 9452 | 9360 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| c | 84945 | 85105 | d | 1999 | 2009 |
| e | 1469 | 1649 |  | 75136 | 73156 |

## Ordering Number Groups

Remember when ordering numbers it is important to look closely at the place of the digits and this applies especially to a group of numbers. Try this out for yourself.

Put the following numbers in order from smallest to largest:


## Ascending \& Descending Order

We have two terms that we can use to describe the order of numbers: Ascending = starting from the smallest number and ordering up to the largest in a group.
Descending = starting from the largest number and ordering down to the smallest number in the group.
It is very important that you understand these terms and apply them correctly.

Arrange the following numbers in ascending order:

46 827, 468 457, 115 468, 250 015, 98 652, 12698

[^0]
## Reflection

I understand that the number of places can determine its size.
I understand that the digits 0-9 in specific places attribute to a number's size.

I can order a set of numbers in ascending or descending order.
DWhat is one new thing you learnt today in Mathematics?

## It's Prodigy Time

Remember to log into your class Prodigy account and enjoy up to 30mins of Prodigy Time!


How are indigenous peoples and other groups around the world protected and supported?


## Tuesday - Geography

## Watch the video Kid President visits the UN.

Think
What do you think you know about the UN?

Puzzle
What puzzles or questions do you have about the UN?

## Explore

How can you explore more about the UN?

## Tuesday - Geography

Use your exploration ideas to find answers to your puzzles and questions. Record your findings in the olive wreath below.


## Tuesday - Geography

The United Nations General Assembly is a place where global issues are discussed by diplomats from each country. This group also passes resolutions, declarations and conventions which support the UN's goals of peace and security.

Give these UN declarations a 1-5 rating for how important you think they are. ( 1 is not really that important, 5 being very important).
$\square$ Human rights
$\square$ Rights of Indigenous Peoples
International co-operation in the exploration of outer space


Human cloningThe prevention of a nuclear catastrophe
$\square$ The Indian Ocean as a zone of Peace

Find out which year each of the declarations in question four was made. Draw an arrow from each declaration to its place on the timeline.


## Tuesday - Geography

What do you notice about when the declaration of the rights of indigenous peoples was made?

What is your opinion about this?

Wednesday
Activities
You are strong

## Wednesday - Spelling

## Commonly Misspelt Words 1

a de wo ll at re y $b e l i \quad e v e e t s i m j$ y $\quad z \quad a \quad b \quad c \quad c \quad d \quad b \quad a \quad g \quad h \quad k$ $k \quad \mathrm{l} m \mathrm{n} a \operatorname{e} \quad \mathrm{e} f \mathrm{w} \quad \mathrm{e}$ w $x$ y $n$ wo ld $k$ q ed $i \quad j \quad n \quad o \quad u \quad i \quad o \quad c \quad a \quad r \quad p$ $u$ o $l \quad g \quad h \quad z \quad a \quad a \quad e \quad n \quad i \quad s$ $n \quad l \quad h \quad w \quad k \quad m \quad n \quad r \quad e \quad h \quad i$ $a \mathrm{t} a \mathrm{a} \times \mathrm{y} \mathrm{t} b \mathrm{~b} a \mathrm{t}$

 $b a g \mathrm{t} ~ \mathrm{~b} g \mathrm{~g} \mathrm{a}$ co $h e$

| allowed | brought |
| :---: | :---: |
| awhile | cannon |
| believe | can't |
| breakfast | caught |

## Wednesday - Reading

I. Read marine mammals

$$
\text { - pages } 14-19
$$

2. Complete the activities


## ACTIVITY I:

Find the words in bold and record a definition of each - there are 8

## Wednesday - Reading

## ACTIVITY 2:

Answer the questions using information from the text:

How many species of dolphin are there? $\qquad$

What do dolphins and porpoises eat? $\qquad$

What is a group of dolphins called? $\qquad$

How big is the heart of a blue whale? $\qquad$

How long is a sperm whale's tooth? $\qquad$

What is another name for a Killer Whale? $\qquad$

Describe in your own words the hunting method known as 'wave hunting'.

## Wednesday - Reading



## Wednesday - Reading



## Wednesday - Reading



## Wednesday - Writing

## Drop Everything and Write (D.E.a.W) <br> DROP EVERYTHING <br> AND <br> WRITE

Drop Everything and Write is an opportunity for you to just write!

- You can choose the topic you want to write about and the type of text you would like to write.
$\square$ The purpose of you completing D.E.a.W is to increase your writing stamina, that means the amount of time you can just write.
- This writing will not be marked to take the pressure off and encourage can take more risks and experiment in your writing.
S. Since we have been on devices for a whole term, we are going to have Wednesdays and Fridays dedicated to you writing on paper.


## Some things to think about:

- Write using paper and a pencil/pen - no devices allowed
- You need to write for 20 minutes (non-stop). Set a timer.
- If you need help with what to write visit this site for ideas (https://www.pobble365.com/)
- Focus on your writing and you can go back at the end to edit.
- You can write about an experience, a story, to persuade someone, an informative text, a review, a newspaper article.
- Keep your handwriting neat.
- Make sure you have a bit of a plan first before you write.
- Be mindful of your spelling.
- Use paragraphs.


## Wednesday - Writing

## What makes a good paragraph?

- Use different types and lengths of sentences.
- Use different sentence beginnings.
- Use varied and correct punctuation.
- Use interesting vocabulary/words.
- Use correct tense.
- Organise your ideas so each sentence connects with the next and makes sense.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


## Wednesday - Writing

## Wednesday - Writing

## Wednesday - Writing

# Year 5 Maths Term 4 Week 2 Whole Number $\sim$ Expanded Notation 

## Learning Intentions

- To be able to understand and record numbers of any size using expanded notation.


## Success Criteria

- I understand and record numbers of any size using expanded notation.
- I can use expanded notation to explain place value and vice versa.


## Problem of the Day

Have a go at this problem of the day.

## Names and numbers

Penina is playing with her name and with numbers. She lets all the consonants equal 10 and all the vowels equal 5.

So the value of Penina's name is $10+5+10+5+10+5=45$.
What is the value of your name?
Can you find at least 5 names that have a value of 30 ?
Penina's name goes even, odd, even, odd, even, odd. What other names have an even, odd or odd, even pattern?

What is the biggest value that a name of six letters can have?

What is the biggest value that you can actually find?


## Expanded Notation

Expanded Notation can be used to show the amount each digit is worth because of its place in a number. There are a number of ways we can express expanded notation. Let's look at them using the number 2847
a) Using place value words: $\mathbf{2}$ thousands +8 hundreds $+\mathbf{4}$ tens $+\mathbf{7}$ ones
b) Using place value addition: $2000+800+40+7$
c) Using grouping symbols: $(2 \times 1000)+(8 \times 100)+(4 \times 10)+(7 \times 1)$

Each of these methods are correct, however, we generally use the first two more frequently in Stage 3.
We can use expanded notation to help our understanding with place value and vice versa we can use place value to help our understanding of expanded notation. You can think of it like the split strategy for a single whole number.

Have a go at these activities to practise expanded notation.

1) Express these numbers in expanded notation form.
a 8246
c 761

b 468
d 1645

$\square$

e 7240547 $\square$
f 4215632
g 770421

## Expanded Notation

Have a go at these activities to practise expanded notation.
2) Express these expanded notations in numeral form.
a $600+80+7=\square$
c $800+30+4=$

e $20000+7000+300+8$
f $300000+2000+500+80+4$
g $800000+50000+6000+200+30+8$
Have a go at these activities to practise expanded notation.
3) Answer the following questions around expanded notation.
a Tim says 4329 in expanded notation is written as $4000+3000+29$. Is he correct?
b Now he says that 5847 is written as $5000+800+40+7$. Is he correct this time?
c Look carefully at the number 8 953. Why don't we expand it as $8+9+5+3$ ?
d What is the point of a zero in the middle of 7049 ? It has no value so why not just leave it out?

## Expanded Notation Extension

There is a $4^{\text {th }}$ way that we can look at expanded notation and that involves the use of powers of tens. If we look at 2847 again using the powers the expanded notation would look like this.

$$
\left(2 \times 10^{3}\right)+\left(8 \times 10^{2}\right)+(4 \times 10)+7
$$

Have a go at these activities.

$$
\begin{aligned}
& \text { a }\left(6 \times 10^{3}\right)+\left(3 \times 10^{2}\right)+\left(2 \times 10^{1}\right)+5=\square \\
& \text { b }\left(4 \times 10^{3}\right)+\left(2 \times 10^{2}\right)+\left(9 \times 10^{1}\right)+8=\square \\
& \text { c }\left(8 \times 10^{4}\right)+\left(4 \times 10^{3}\right)+\left(5 \times 10^{2}\right)+3=\square \\
& \text { d }\left(2 \times 10^{5}\right)+\left(7 \times 10^{4}\right)+\left(9 \times 10^{3}\right)+\left(9 \times 10^{2}\right)+\left(9 \times 10^{1}\right)=
\end{aligned}
$$

## Matching Expanded Notation Extension

 Match the numerals with their expanded notation form. Colour the boxes that match.$20000000+6000000+$ $500000+20000+6000+900$

```
20000 + 3000 +
700 + 10 + 1
```

```
23711
```

$70000000+8000000+$
$900000+30000+4000+$ $200+10$

```
\(70000000+8000000+\)
\(70000000+8000000+\)
\(20000000+3000000+\)
\(500000+80000+7000+\)
\(100+10+1\)
\(70000+8000+300+60+1\)

\section*{Reflection}
\(\square\) understand and record numbers of any size using expanded notation.
\(\square\) I can use expanded notation to explain place value and vice versa.
\(\square\) understand there are a number of methods for expressing expanded notation.
\(\square\) What is one new thing you learnt today in Mathematics?

\section*{It's Prodigy Time}

Remember to log into your class Prodigy account and enjoy up to 30mins of Prodigy Time!

\section*{Wednesday - PD/H}

To access your sports activity for today, you will need to scan this QR Code or use the link below.

Link: shorturl.at/dfCPO


\title{
SCAN ME
}


Thursday
Activities
You are unique


\section*{Thursday - Editing}
After you have edited the paragraph, re-write the text correctly on the lines below.

\section*{Thursday - Literacy}
I. Read marine mammals
- pages 20-24
2. Complete the activities


\section*{ACTIVITY I: Reading Task}

Draw a line to match the vocabulary to the correct definition - use the Glossary on page 23 to help you
krill
sonar
endangered
carnivores

Animals that mainly eat meat

Species at risk of becoming extinct

To find a way through a place

Method of locating objects and the depth of water using sound waves
navigate

\section*{Thursday - Literacy}

\section*{ACTIVITY 2: Reading Task}

Use the information on page 20 to record the steps for tagging and tracking marine mammals - there are 4

\section*{ACTIVITY 3: Writing Task}

Write \(\underline{2}\) persuasive paragraphs arguing for or against the tagging and tracking of marine mammals.

Remember you need to convince the reader so provide arguments and supporting evidence when stating your point of view.

Think about using:
rhetorical questions
[ high modality words
r rule of 3
- a range of punctuation
- facts and statistics

\section*{Thursday - Literacy}

\author{
ACTIVITY 3: Writing Task
}

\section*{Thursday - Literacy}
Researchers tag and track
Where they go and when.
the animal with a tranquilliser dart.
2. Researchers attach an electronic tag to
the animal. It may be part of a collar, or
glued to the animal's skin. The tag collects
information about the animal's location.
When the animal comes out of the water,
the tag sends information to a satellite.
This information is sent from the satellite
to computers.
4 Researchers study the information, and
track the behaviour and migration of
marine mammals.
\(\mathbf{2 0}\)

\section*{Thursday - Literacy}


\section*{Thursday - Maths}

\section*{Year 5 Maths Term 4 Week 2 Whole Number ~Partitioning Numbers~}

\section*{Learning Intentions}
- To be able to understand how to partition numbers of any size in non-standard forms to aid mental calculation.

\section*{Success Criteria}
- I understand what partitioning numbers is and how it helps with mental maths.

\section*{Problem of the Day}

\section*{Have a go at this problem of the day.}

\section*{Little magic square}

Tui has just discovered magic squares. She decides to make all of the magic squares that she can just using the numbers 1, 2 and 3. How many can she make?

It takes her quite a while because she doesn't know that the sum of a magic square is always three times the number in the centre.


\section*{Partitioning Numbers}

The word Partition means to 'divide into parts or shares'.

Partitioning Numbers involves breaking up larger numbers to make them easier to do our mental calculations, particularly addition \& subtraction. We have looked at this when we were learning about mental maths strategies and it involves a solid understanding of place value. Expanded notation is a form of partitioning.

For example, when adding 163480 and 150 000, 163480 could be partitioned as \(150000+13480\), so that 150000 could then be doubled and added to 13480.

Partitioning numbers involves looking at the number in a different way and how it can be used for a specific purpose.

You can look at partitioning in the same way we looked at expanded notation, however, it is the ability to use the break up to help up with a calculation is what we want to focus on.

Watch this video on partitioning. https://youtu.be/MWRvFNrL4K4


For example, if I had \(\$ 6482\) that I wanted to share between my two children I can break the 6482 up and work with each part separately.
e.g. \(6000+482\)... I know half of 6000 is 3000 , then I just need to work on the 482.
half 400 is 200 , half of 80 is \(40 \&\) half of 2 is \(1 \ldots\) I can then put it all back together and I get \(3000+200+40+1=\$ 3241\). See how it is similar to expanded notation.

\section*{Partitioning Numbers}

Let's try some of these algorithms. Think of the easiest way to break the numbers up so you can calculate the answers quicker. I will do the first one.
a) \(7327+3511=7000+327+3500+11 \ldots\) now I will group them
\[
(7000+3500)+(327+11)=(10500)+(338)=10838
\]
b) \(633+181=\)
c) \(3381+1968=\)

You can also break the number up even further than just the once. I will do the first one, this time we will look at subtraction. Notice that there are still addition symbols in the question like the expanded notation and then it gets moved.
d) \(8524-5113=(8000+500+24)-(5000+100+13) \ldots\) now regrouped
\[
(8000-5000)+(500-100)+(24-13)=3000+400
\]
\(+11=3411\)
e) \(633-181=\)
f) \(3381-1968=\)

\section*{Partitioning Numbers}

Let's try with halving numbers with partitioning. Remember you can break it up however you like to make it easier for you.
g) Halve 6488
h) Halve 7210
i) Halve 9124

\section*{Reflection}
l understand what partitioning numbers is and how it helps with mental maths.

I can use expanded notation to partition numbers.
What is one new thing you learnt today in Mathematics?

\section*{It's Prodigy Time}

Remember to log into your class Prodigy account and enjoy up to 30mins of Prodigy Time!


\section*{Thursday - Creative Arts}

Last term we looked deeply at colour in artworks. Now let's look at some of the other elements of art! This week we are looking how the use of SPACE can impact an artwork. Space is the area between shapes and forms.

\section*{Positive Space}

Positive space refers to the areas of interest or subject matter in an artwork. It might be a person's face or a vase of flowers.
Negative Space
Negative space is the background or the area that surrounds the subject of the work.

https://qrgo.page.link/A3s7K


This sculpture, "Missing Pieces" by Catalano, goes well with its surroundings, allowing the viewer to see the far-off horizon where the man's torso should be. Again, the mind has to fill in the missing pieces, which makes viewing it fun.

Tang Yau Hoong is one of the modern masters when using negative space in his art. Here, the negative space (sky) is being zipped away to reveal another sky, which is also forming buildings along a cityscape.
Depending on how you look at it, the blue sky can also be seen as a type of negative space.


Here's famous example of a balanced piece of art with plenty of negative space.
The Persistence of Memory by Salvador Dali has obvious subjects of interest surrounded by emptiness. The brown of the ground and yellow and blue-hued sky frame the central points of focus beautifully.

\section*{Thursday - Creative Arts}

Scan the QR code or follow the link to watch my lesson on creating an under the sea positive and negative space artwork!

https://qrgo.page.link/A3s7K


You are capable

\section*{Friday - Grammar}

\section*{Doubling the last consonant}

Vowels: a, e, I, o, u
Consonants: Every other letter
If the last three letters in a word are a consonant, vowel, consonant (CVC); double the last consonant when adding a suffix.
E.g. Stop. What type of letters are the last three letters in this word? (CVC).

Add a suffix. Stop becomes stopping or stopped. The last consonant is doubled.
Trip. Add ed or ing. Tripped or tripping.
Tunnel. Add ed or ing. Tunnelled or tunnelling.

Brood. Look at the last 3 letters. Do they meet our rule (CVC)? Add ed or ing.
Brooded. Brooding.

The last three letters were not CVC, so the last consonant is not doubled.
Added ed or ing to these words
Remember to double the last consonant where appropriate.

Stop
Feel
Trip
Sleep

Run
Hop
Swim
Crawl
Tunnel
Wink
Dream
Swim

\section*{Friday - Spelling}

\section*{BOGGLE}

Find as many words as you can using the letters in the Boggle grid.

\section*{The rules for playing Boggle are as follows:}
- Each word should be of at least three letters.
- Words that have the exact spelling but different meanings will be counted only once.
- You can use both singular and plural forms of the same word.
- You cannot use any letter more than once, and the consecutive letters of your words must be adjacent to each other horizontally, vertically, or even diagonally.

Challenge yourself by setting a time limit!!


Friday - Spelling


\section*{Friday - Editing}

\title{
An Amazing Fact a Day! \\ Spot the Mistake
}

\section*{RUN FACT!}

When pencils were first invented, moist bread was used to erase any mistakes!

Read the sentences below. Can you spot the spelling, grammar and punctuation mistakes? Rewrite the sentences correctly.
I. There not in they're house because their over they're, in the park.
2. The golden sands felt warm and soothing beneth my worn out and weary feet. Their where beads of condensation dripping from my cold refreshing glass off water.

\section*{Friday - Writing}

\section*{Drop Everything and Write (D.E.a.W) \\ DROP EVERYTHING \\ AND \\ WRITE}
\(\square\) Drop Everything and Write is an opportunity for you to just write!
- You can choose the topic you want to write about and the type of text you would like to write.
\(\square\) The purpose of you completing D.E.a.W is to increase your writing stamina, that means the amount of time you can just write.
\(\square\) This writing will not be marked to take the pressure off and encourage can take more risks and experiment in your writing.
S Since we have been on devices for a whole term, we are going to have Wednesdays and Fridays dedicated to you writing on paper.

\section*{Some things to think about:}
- Write using paper and a pencil/pen - no devices allowed
- You need to write for 20 minutes (non-stop). Set a timer.
- If you need help with what to write visit this site for ideas (https://www.pobble365.com/)
- Focus on your writing and you can go back at the end to edit.
- You can write about an experience, a story, to persuade someone, an informative text, a review, a newspaper article.
- Keep your handwriting neat.
- Make sure you have a bit of a plan first before you write.
- Be mindful of your spelling.
- Use paragraphs.

\section*{Friday - Writing}

\section*{What makes a good paragraph?}
- Use different types and lengths of sentences.
- Use different sentence beginnings.
- Use varied and correct punctuation.
- Use interesting vocabulary/words.
- Use correct tense.
- Organise your ideas so each sentence connects with the next and makes sense.
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)
\(\qquad\)

Friday - Writing

Friday - Writing

Friday - Writing

\section*{Friday - Maths}

\section*{Year 5 Maths Term 4 Week 2 Whole Number \(\sim\) Number Abbreviations \& Rounding~}

\section*{Learning Intentions}
- To be able to recognise different abbreviations of numbers used in everyday contexts.
- To be able to round numbers to a specified place value

\section*{Success Criteria}
- I understand abbreviations of numbers are and why we might use them.
- I can round numbers to any place value.

\section*{Problem of the Day}

Have a go at this problem of the day.


\section*{Abbreviations of Numbers}

The abbreviation K comes from the Greek word khilioi, and it means thousand. It is used in many job advertisements and in measurement.
A salary of 70 K is \(\$ 70000,1000\) grams is 1 kilogram and something 35 ks away refers to being 35 kilometres away.

When else do we use the term kilo or K?


Are the following statements true or false?
\begin{tabular}{|l|l|}
\hline a \(\$ 36 \mathrm{~K}=\$ 3600\) & True / False \\
\hline b Seventy four thousand three hundred and two \(=74320\) & True / False \\
\hline c Six hundred and seventy four thousand and thirty nine \(=674039\) & True / False \\
\hline d \(\$ 51 \mathrm{~K}=\$ 51000\) & True / False \\
\hline e Two hundred thousand eight hundred and two \(=200802\) & True / False \\
\hline f Fifty one thousand and sixty \(=5560\) & True / False \\
\hline
\end{tabular}

\section*{Rounding Large Numbers}

\section*{Rounding makes big numbers easier to work with. We round up if the number is exactly halfway between the 10s or over}


35 is exactly halfway between the 10 s, so it rounds up to 40 .



770 rounds to 800
210 rounds to 200
350 rounds to \(\quad 400\)

Round up when it is halfway between the 10 s or more.
Round down when the number is less than halfway.


\section*{Rounding Large Numbers}

Round the following numbers to the closest thousand:
a 942
c 2435

(1) Round to the nearest thousand:
a 12388 \(\qquad\) b 9525
d 55239
c 39610 \(\qquad\)
e 8392 \(\qquad\) f 89743
b 4964

d 9350

e 5678

f 2845

(2) Round to the nearest ten thousand:
a 14987 \(\qquad\)
c 36095 \(\qquad\)
b 24033
d 77330

\section*{Use the number in the hundreds place to help you decide!}


\section*{Rounding Large Numbers}

To find a secret fact about the gorilla, round the numbers in the clues below and insert the matching letters above the answers.
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline 2000 & 50000 & 400 & 8000 & 20000 & & 400 & 8000 & 50000 & 400 & 200 \\
\hline 8000 & 200 & 70000 & 500 & 8000 & 20000 & & 400 & 7000 & 900 & 10000 \\
\hline 249 & rounded to the & earest \(h\) & hundre & & U & 69623 & \multicolumn{4}{|l|}{rounded to the nearest thousand} \\
\hline 19432 & rounded to the & nearest t & en tho & sand & M & 462 & \multicolumn{4}{|l|}{rounded to the nearest hundred} \\
\hline 49832 & rounded to the & nearest t & thousand & & 1 & 2490 & \multicolumn{4}{|l|}{rounded to the nearest thousand} \\
\hline 850 & rounded to the & nearest \(h\) & hundre & & C & 361 & \multicolumn{4}{|l|}{rounded to the nearest hundred} \\
\hline 10320 & rounded to the & nearest t & thousand & & A & 7711 & \multicolumn{4}{|l|}{\multirow[t]{2}{*}{rounded to the nearest thousand}} \\
\hline 6625 & rounded to the & nearest t & thousand & & & & & & & \\
\hline
\end{tabular}

\section*{Reflection}

I understand abbreviations of numbers are and why we might use them.
I can round numbers to any place value.
\(\square\) What is one new thing you learnt today in Mathematics?

\section*{It's Prodigy Time}

Remember to log into your class Prodigy account and enjoy up to 30mins of Prodigy Time!


\section*{Optional Activities}

\section*{0 \\ \\ on-screen activities \\ \\ on-screen activities you can do at home you can do at home \\ \\ What can you do when there's no school and you're \\ \\ What can you do when there's no school and you're stuck at home? Here are 25 fun ideas to choose from.} stuck at home? Here are 25 fun ideas to choose from.}

\author{
Pobble 25 \\ more ideas!
}

Get doodung! Grab some paper and pens and doodie anything you uke! Animats, alkens or


6 Make some 6 jewellery. Use anything you can flind around the house. Strips of wrapping paper or rolled up mogarines make great beads!

11
Quick draw!
Set a 1 minute timer, draw a quick doodle and see if the other person can guess what it is before the time is up.


21
How many words can you think of that rhyme with WRITE?



\section*{7 Paper aeroplane challenge!} Make a paper aeroplane and see how far you can fly it! Can you make a target and try to alm for it?
\(12 \begin{aligned} & \text { Write a silly } \\ & \text { sentence that }\end{aligned}\) Includes all of these words. BANANA. CURTAIN, DOLPHIN, SNOW and BALLOON. Now think of your own words and write some more!
\(3 \begin{aligned} & \text { Design and draw } \\ & \text { a new musical }\end{aligned}\) a new musical Instrument. How would you play it and what will


8Fingerprint art! Use only your fingertips and paint to create a plcture.

9 Make a bookmark to use when you're reading.


13How many different words can you make trom the letters in thls sentence?
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Keeping my brain busy is fun

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\(14 \begin{aligned} & \text { Ping pong story } \\ & \text { telling! Write }\end{aligned}\) the opening sentence to a story, then someone else writes the next une. Then It's your turn again! Keep aiternating until you have a full story.

10Make some wild art using sticks, leaves, Howers and anything else you can find outdoors.


15 Guess the Think of a character from a book, write It down so no-one can see. Have others ask you questions to try and guess which character you chose.

\section*{19 Create a family kindness jar.} Every time someone does something kind, write it down and put It in the jar. When the jar is full you all deserve a special treat!

\section*{24 \\ Play alphabet bingo!}

Can you spot an Item In your home or garden that starts with the letter \(a, b, c\) and so on?



Parents and teachers - please share your success storles with us on social media:
y HeyPobble \(\boldsymbol{f}\) Pobde Education © TeamPobde```


[^0]:    Arrange the following numbers in descending order:

