# Marlborough Primary 

 AcademyHome Learning Class 5/6D

Week beginning 29/6/2020


| Morning maths - Monday 29/6/20 |  |
| :---: | :---: |
| $\begin{array}{r} 967 \times 79 \\ 967 \\ \times 79 \\ \hline \end{array}$ | $3 / 8$ of a number is 24 . What is the number? <br> Hint - find $1 / 8$ before finding the whole |
| What is $15 \%$ of 600 ? | $7521 \div 2$ <br> 1) as remainder <br> 2) as decimal <br> 3) as fraction |

## Area and perimeter

1
Use the words to complete the sentences.

$\qquad$ is the amount of space $\qquad$ -a
two-dimensional shape. It can be measured in units such as
$\qquad$ or $\qquad$
$\qquad$ is the distance $\qquad$ a two-dimensional
shape. It can be measured in units such as $\qquad$ or

2 Work out the areas and perimeters of the shapes.
a)

b)

(3)

Work out the missing values.
a)

area $=32 \mathrm{~cm}^{2}$
perimeter $=$

b)

area $=\square \mathrm{cm}^{2}$
perimeter $=40 \mathrm{~cm}$
c)


perimeter $=36 \mathrm{~m}$
4) Work out the areas and perimeters of the shapes.


What do you notice?

perimeter $=$ $\qquad$ cm


Who do you agree with? $\qquad$
Draw some examples to support your answer.
Two rectilinear shapes, $A$ and $B$, each have an area of 12 squares.

- Shape A has the largest perimeter passible.
- Shape $B$ has the smallest perimeter possible.

Draw shapes A and B.


What do you notice?
7) Mr Jones has 50 m of fencing.

He wants to make a rectilinear enclosure using all the fencing.
a) Draw an example of a shape he could make. Give units on your diagram.

b) What is the greatest possible area of the enclosure? $\square$
c) What is the smallest possible area of the enclosure? $\square$
many symbols found preserved in the temple's structure.
The most famous structure in Palenque is the Temple of Inscriptions which is so called due to the
 swallowed by the surrounding jungle, but was excavated and restored, so it has now become a
 is 128 kilometres south of Ciudad del Carmen. It is a much smaller site than Chichen Itza, but has

If you want to avoid the busy Chichen Itza, then why not try the breath-taking jungle ruins of
ञाbupग्व




- million visitors per year.


| Visit the Ancient Maya |
| :--- |
| Excavations of the Mexican and Guatemalan jungle |
| have revealed the intriguing remains of the lost |
| cities of Ancient Maya which seemed to be |
| abandoned at the height of their power. The |
| mysterious ruins left behind by the Ancient Maya |
| civilisation are amongtt the most fascinating |
| historical sites to be found on Earth. A visit to one |
| of these mystical sites offers lots for both the |
| history expert and the interested sightseer alike. |
| So, why not plan that special trip? Use our travel |
| guide to help you decide which of these amazing |
| places you should visit first. |


Visit the Lost Cities of Ancient Maya


## Visit the Lost Cities of Ancient Maya - Comprehension

## Section A

1. How do the pictures help the reader?
$\square$
2. In which countries can you find many of the Ancient Maya sites?
$\square$
3. The text refers to 'intriguing remains'. What does the word 'intriguing' mean in this context?
$\square$
4. Which is the most popular and well-known of the Ancient Maya Sites?
5. From reading the section 'Chichen Itza', give three reasons why you think it has so many visitors.
$\square$
6. Why does Naachtun feature in many different architecture styles?
$\square$
7. What is the climate in these locations?
$\square$

## Section B

8. Why do you think the title refers to the 'Lost Cities of Ancient Maya?
$\square$
१. Summarise the main ideas in the first section 'Visit the Ancient Maya'.
$\square$
9. What is the purpose of this travel guide?
$\square$
10. The text describes Palengue as 'atmospheric'. What does this word mean in this context?
$\square$
11. Make a list of the reasons why a visitor may choose Tikal as a place to visit.
12. Which words and phrases does the writer use to make the reader believe Ancient Maya sites are worth visiting?
$\square$

| Marlborough Acader | rimary | Class $5 / 6 D$ | Home Learning | Tuesday $30 / 6 / 20$ |
| :---: | :---: | :---: | :---: | :---: |
| 5-a-day |  | Enalish <br> Vocabulary definition <br> Look carefully at the words and use a dictionary or the internet to find definitions - remember to tell me the word class of each word - noun, verb, adjective, adverb <br> Some of these words will be hard to explain! |  |  |
| 1) TTRockstars - 30 minutes |  |  |  |  |
| 2) Morning maths |  |  |  |  |
| 3) Independent Reading - 30 minutes |  |  |  |  |
| 4) Spelling - 20 minutes |  |  |  |  |
| 5) P.E. - Joe Wicks workout |  |  |  |  |
| Maths |  | $\sum_{.00}^{\text {STEM } / \text { Creative }} \rightarrow 3$ |  |  |
| Area of a triangle <br> Watch the video - remember to pause and try the calculations and problems when you are asked to. | Video | Reading den: Build yourself a reading den. It could be inside or outside. Will you name your den? Will you take any supplies? What will you read first inside? |  |  |
| Then try the workaheet before you check your answers <br> If you get stuck don't forget to send me or Mr. Bright a dojo message. | worsheets | Share a phato of your den on your portfolio. |  |  |
|  | Answers |  |  |  |


| Morning maths - Tuesday 30/6/20 |  |
| :---: | :---: |
| $6040-1458$ | $375,823+927,921$ |
| My number's digits add to make 10. <br> My units digit is even and greater than my <br> tens digit. My number is less than 40. <br> What is my number? | How many 12ths are equal to 5/6? |

## Area of a triangle (3)

1
Calculate the area of the triangle.


2
Calculate the area of the triangles.
a)

c)

area $=$ $\square$ $\mathrm{cm}^{2}$
b)
d)


3
What mistake has Dora made?


4 Label the base of each triangle $b$.
Label the perpendicular height $h$.


5
Are the stotements always, sometimes or never true?
The side at the bottom of a triangle is the base.

The perpendicular height is equal to the vertical height.
$\square$ $\mathrm{cm}^{2}$ $\square$
$\qquad$
$\qquad$

Calculate the area of the triangles.
a)

area $=$ $\square$ $\mathrm{cm}^{2}$
d)

area $=$ $\square$ $m^{2}$
b)

e)

area $=$ $\square$
f)


c)

area $=$ $\square$ $\mathrm{mm}^{2}$
(7) Find the area of the shaded region.

area $=$ $\square$ $\mathrm{cm}^{2}$

8 The area of each triangle is $12 \mathrm{~cm}^{2}$. Find the missing lengths.
a)

$\square$
b)

$\square$

(9)

Show two ways you can work out the area of the triangle.


Compare answers with a partner.

## Write definitions of word meanings

Look through the vocabulary list of woxds which could be used to describe yesterday's English Picture - what do they mean? Use a dictionary (online word definition works too) to explain what they mean - make sure you use your own woxds not just copy. Also tell me the word class - verb, noun, adjective, adverb too

| excavate | bustling |  |
| :---: | :---: | :---: |
|  |  |  |
| intriguing | estimated |  |
|  |  |  |
| inscriptions | authentic |  |
|  |  |  |
| inhabitants | sulnerable |  |
|  |  |  |
| remote | canopy |  |
|  |  |  |
| popular | dominate |  |
|  |  |  |

Choose your favourite 4 words and write a sentence for each one - try to also use the fronted adverbial, expanded noun phrases and powerful verb skills we learned last week

|  |  | Class $5 / 6 D$ | Home Learning | Wednesday 1/7/20 |
| :---: | :---: | :---: | :---: | :---: |
| 5-a-day 1) TTRockstars - 30 minutes 2) Morning maths 3) Independent Reading - 30 4) Spelling - 20 minutes 5) P.E. - Joe Wicks workout |  | English <br> Grammar and vocabulary Carefully read and answer the grammar and socabulary questions. |  |  |
| Maths <br> Area of a parallelogram <br> Watch the video - remember to pause and try the calculations and problems when you are asked to. <br> Then try the workaheet before you check your answers <br> If you get stuck don't forget to send me or Mr. Bright a dojo message. | (1) |  | Computina <br> Log-on <br> the 2DI <br> Last w , try to this we | Mash and try <br> tried a single level multi level game |


| Morning maths - Wednesday 1/7/20 |  |  |
| :---: | :---: | :---: |
| I think of a number, divide by 6 and then multiply by 11 . My answer is 77 . What was my number? <br> Hint - try to undo (reverse) the problem | $27 \mid 739$ | $\begin{aligned} & 27-1 \\ & 54-2 \\ & 81-3 \\ & 108-4 \\ & 135-5 \\ & \ldots-6 \\ & \ldots-7 \\ & \ldots-8 \\ & \ldots-9 \\ & \ldots-10 \end{aligned}$ |
| My number is 12.5 <br> What is my number $\times 100$ ? | 108-21.65 |  |

## Area of a parallelogram


a) What mistake has Huan made?
b) What is the correct answer?

$$
\text { area }=\square \mathrm{cm}^{2}
$$

4 Esther has labelled the bases and heights for four parallelograms.
Three are correct; one is incorrect. Tick the shapes that have been correctly labelled.



$\square$

$\square$

Explain to a partner why one is incorrect.Calculate the areas of the parallelograms.
a)


area $=\square \mathrm{cm}^{2}$
area $=$ $\square$
b)

e)

area $=$ $\square$

f)

area $=$ $\qquad$ $\mathrm{mm}^{2}$
$\square$

6
Find the missing lengths.
a)

b)


## ared $=15 \mathrm{~cm}^{2}$

7 Here is a rhombus inside a rectangle.

a) Calculate the area of the rhombus.


00

Explain to a partner why Mo is wrong.



##  <br> 

 the two words
modal verbs:号





## Volume of a cuboid



1
Here is a cuboid made up of cubes.

a) What is the volume of the cuboid?

$$
\text { volume }=\square \mathrm{cm}^{2}
$$

b) Explain your method for finding the volume.
c) What is the volume of this cuboid?

d) What is the same and what is different about the cuboids?


Find the volume of the cuboids.
You can make them with cubes if it helps.
a)

volume $=$
 $\mathrm{cm}^{2}$
b)


3 Calculate the volumes of the cuboids.

volume $=$
$\square$ $\mathrm{cm}^{2}$
(4) Calculate the volumes of the cubes.
a)

$\square$ $\mathrm{cm}^{2}$
b)

volume $=\square \mathrm{mm}^{2}$

5 The volume of the cuboid is $60 \mathrm{~m}^{2}$ Find the missing length.

6) Calculate the volume of the cuboid.

(7)
a) Calculate the volumes of the two cuboids.


What do you notice?
Was there another method you could have used?

## DADWAVERS!

## Description

## Action

Dialogue Where Adverb Verb
Estimation of time Rhetorical Question Simile or Metaphor
! Exclamation or onomatopoeia


| Marlboxough Primary |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Academy |


| Morning maths - Friday 3/7/20 |  |  |
| :---: | :---: | :---: |
| What is the perimeter of this rectangle? <br> Hint - perimeter $=($ length + width $) \times 2$ | What is $3 / 10 \div 6$ |  |
|  | $3 \div 6=$ |  |
|  |  |  |
|  | Criss-cross ( $\mathrm{t} \times \mathrm{b}=\mathrm{t} \quad \mathrm{b} \times \mathrm{t}=\mathrm{b}$ ) Can you simplify? |  |
| What is $2 / 7 \times$ by $6-$ don't forget to simplify your answer. |  | $\begin{aligned} & 19-1 \\ & 38-2 \end{aligned}$ |
|  | 1910203 | $57-3$ $76-4$ |
| $2 \times 6$ |  | 95-5 |
| $7 \times$ |  | ... -6 <br> -7 |
|  |  | ... - 8 |
|  |  | ... - 9 |
| Hint: whole number to fraction -txt bxb |  | ... - 10 |



## Challenge I



By how many cm is the toy bus longer than the toy car?

Challenge 2
Here are three bean bags.


They are placed on a seesaw - which beanbag is heaviest?

## Challenge 4

Lewis is making a reaped pattern with some shapes.


Lewis repeats the pattern - What would the 50 th shape be?

Challenge 5
A large rectangle is made of smaller rectangles labelled $A$ and $B$.


The length of $A$ is double the width of $B$. Find the area of rectangle $B$.

Challenge 7

A barrel is half full of water. 12 litres of water are poured out. The barrel is now $1 / 5$ full. How much does the full barrel hold?


Challenge 6
Mina buys three pizzas and a bottle of cola.


A pizza costs $£ 3.20$ more than a bottle of cola.
The total cost is £ 19.40 .
How much does one pizza cost?

The answers can be found at the bottom of this webpage.
https://www.bbc.co.uk/bitesize/articles/ztcsm39

## This week's web-links

| Monday Maths Video | https://vimeo.com/430339457 |
| :--- | :--- |
| Monday Maths worksheets | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-1-Area-and-perimeter.pdf }}$ |
| Monday maths answers | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-1-Answers-Area-and-perimeter.pdf }}$ |
| Tuesday Maths - video | $\underline{\text { https://vimeo.com/430339609 }}$ |
| Tuesday Maths activity 1 | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-2-Area-of-a-triangle-3.pdf }}$ |
| Tuesday Maths answers | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-2-Answers-Area-of-a-triangle-3.pdf }}$ |
| Wednesday Maths - video | $\underline{\text { https://vimeo.com/430339748 }}$ |
| Wednesday maths - <br> activities 1 | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-3-Area-of-a-parallelogram.pdf }}$ |
| Wednesday maths answers | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-3-Answers-Area-of-a-parallelogram.pdf }}$ |
| Thursday maths - video | $\underline{\text { https://vimeo.com/430339843 }}$ |
| Thursday maths worksheet 1 | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-4-Volume-of-a-cuboid.pdf }}$ |
| Thursday maths answers | $\underline{\text { https://resources.whiterosemaths.com/wp-content/uploads/2020/06/Lesson-4-Answers-Volume-of-a-cuboid.pdf }}$ |
| Friday Maths | $\underline{\text { https://www.bbc.co.uk/bitesize/articles/ztcsm39 }}$ |
| Friday Worksheet |  |

