# <u>Remote Learning – Class 4</u>

Monday 15<sup>th</sup> November 2021

<u>15.11.21</u>

# Maths

# Multiply by 10

- Today, in Maths we are looking at multiplying numbers by 10.
- To understand this better, please use the link below and watch the video called 'Multiply by 10'.
- Link: <u>https://whiterosemaths.com/homelearning/year-4/week-10-number-multiplication-division/</u>

1) Complete the missing numbers.

10 ones are equal to \_\_\_\_\_ ten

\_\_\_\_ hundreds are equal to 1 thousand

\_\_\_\_ tens are equal to 3 hundreds

- 2)  $11 \times 10 = \_ \times 11$
- 3) 10 = 2 × \_\_\_\_

1) Complete the missing numbers.

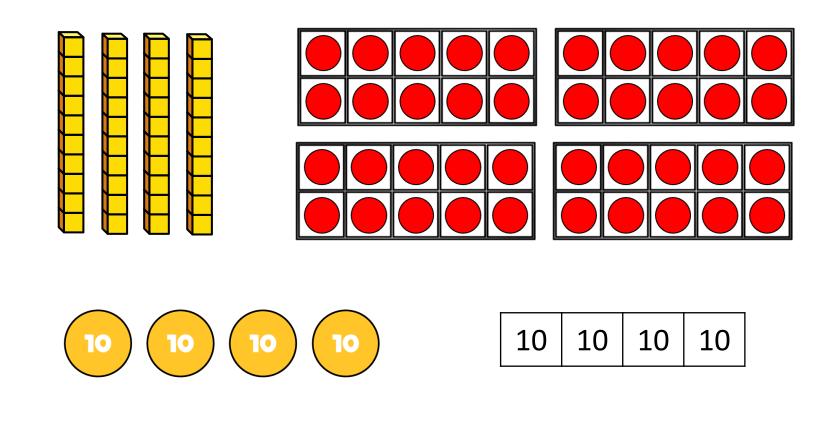
10 ones are equal to <u>1</u> ten

<u>10</u> hundreds are equal to 1 thousand

<u>30</u> tens are equal to 3 hundreds

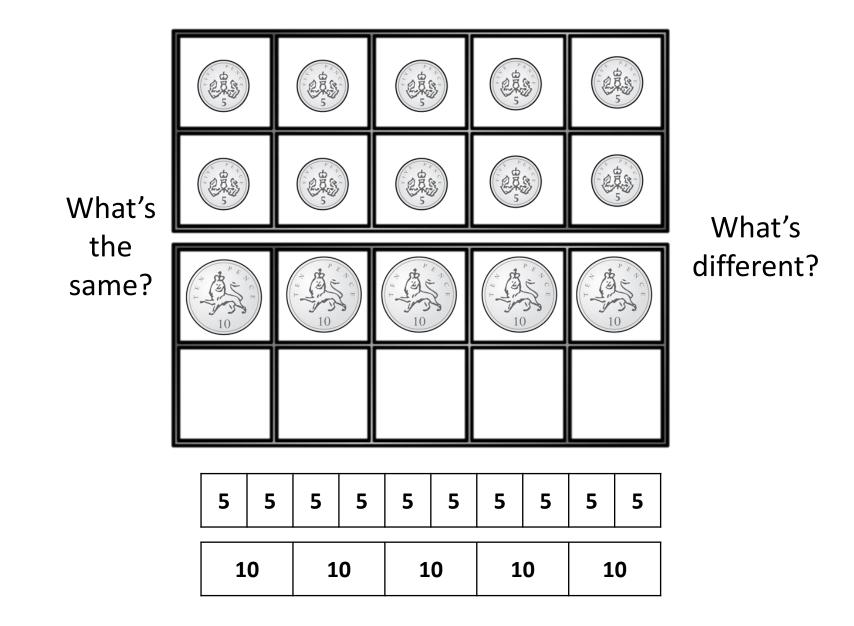
- 2)  $11 \times 10 \pm 0 \times 11$
- 3)  $10 = 2 \times 5$

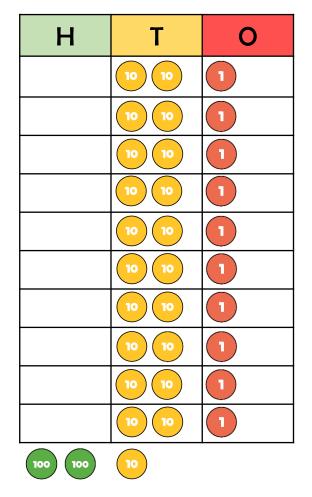
### 4 groups of 10



#### $4 \times 1$ ten = 4 tens

 $4 \times 10 = 40$ 



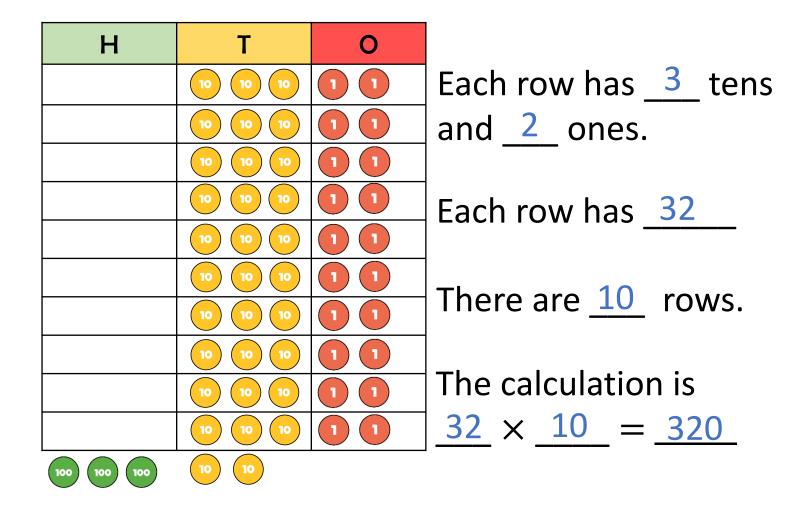


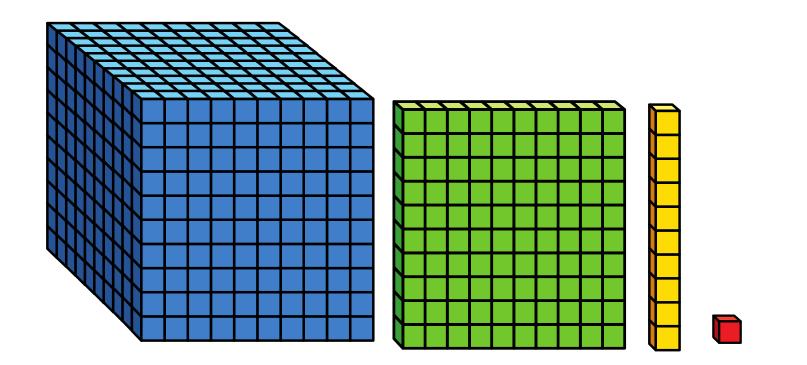
Each row has 2 tens and 1 one.

Each row has 21

There are 10 rows.

The calculation is  $21 \times 10 = 210$ 

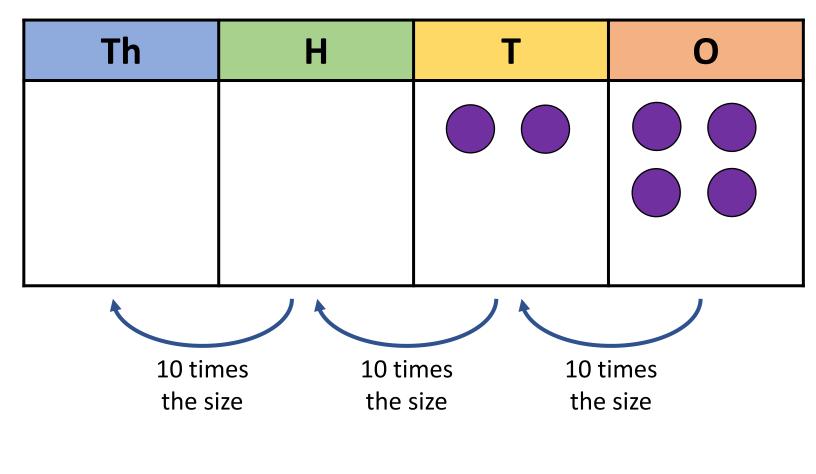




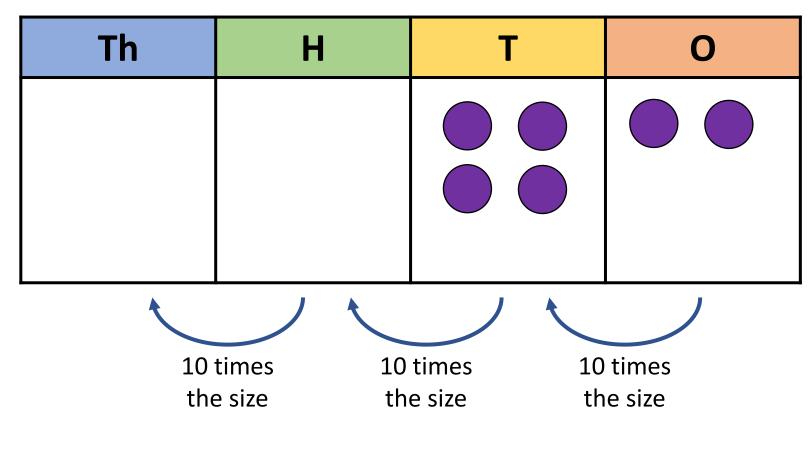
1 ten is 10 times the size of 1 one

1 hundred is 10 times the size of 1 ten

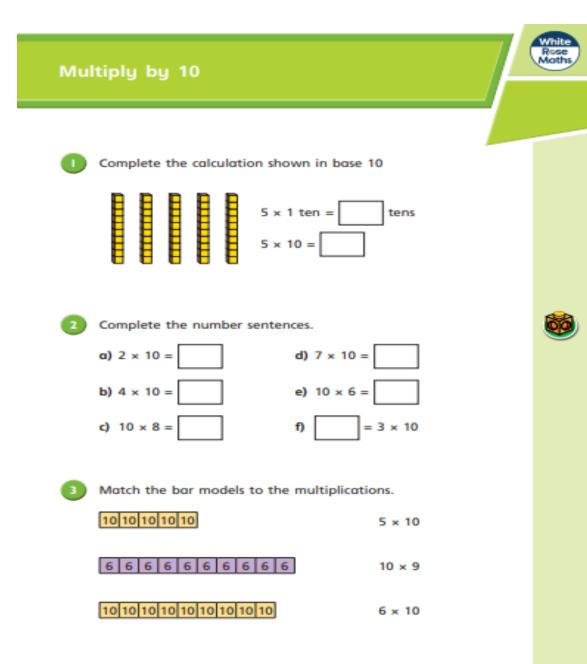
1 thousand is 10 times the size of 1 hundred



 $24 \times 10 = 240$ 



 $42 \times 10 = 420$ 





#### Tom has 10 boxes of eggs.



There are 12 eggs in each box.

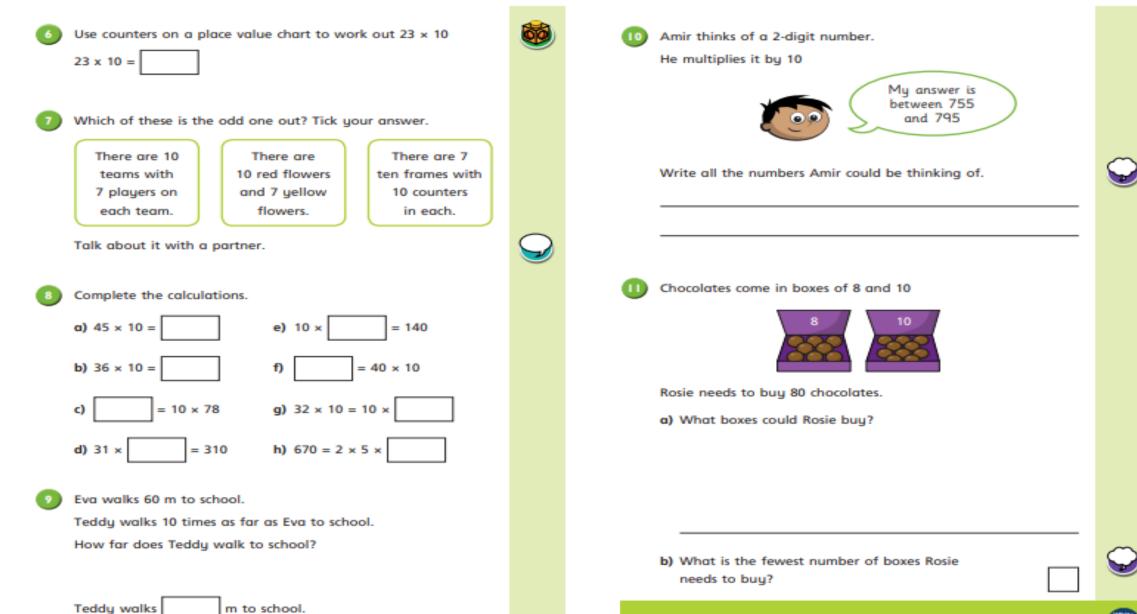
How many eggs does he have altogether?



#### Complete the sentences.

|                | н       | т       | о                                     |
|----------------|---------|---------|---------------------------------------|
|                |         | 0       | 000                                   |
|                |         | 0       | 000                                   |
|                |         | 0       | 000                                   |
|                |         | 0       | <b>000</b>                            |
|                |         | 0       | $\bigcirc \bigcirc \bigcirc \bigcirc$ |
|                |         | 0       | <b>000</b>                            |
|                |         | $\odot$ |                                       |
|                |         | $\odot$ | $\bigcirc \bigcirc \bigcirc \bigcirc$ |
|                |         | $\odot$ |                                       |
|                |         | $\odot$ | <b>000</b>                            |
| Each row has   | ten and | d ones. |                                       |
| There are      | rows.   |         |                                       |
| The calculatio | n is    | ×       | =                                     |

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Moths

| taken;<br>Pasiste<br>kinkj  | 20.          | 19.     | 18.      | 17.      | 16.      | 5            | Ŗ       | ţ,       | 12.      | 7        | 10.      | مب      | çoo     | 7.      | 6.      | <u>in</u> | <b>.</b> = | şə       | 2.       | -       |
|-----------------------------|--------------|---------|----------|----------|----------|--------------|---------|----------|----------|----------|----------|---------|---------|---------|---------|-----------|------------|----------|----------|---------|
|                             | 3 x 5 =      | 3 x 5 = | 3 × 10 = | 3 x 8 =  | 3 x 2 =  | 3 × 12 =     | 3 x 3 = | 3 × 8 =  | 3 X 6 =  | 3 x 2 =  | 3 × 9 =  | 3 × 8 = | 3 x 9 = | 3 x 5 = | 3 x 9 = | 3 x 4 =   | 3 x 4 =    | 3 × 11 = | 3 x 4 =  | 3 × 1 = |
| Score:                      | 40.          | 39.     | 38.      | 37.      | 36.      | 35,          | 34.     | 8        | 32       | 31.      | 30.      | 29.     | 28      | 27.     | 26.     | 25.       | 24.        | 23.      | 22.      | 21,     |
| Incle Ltd, Lizensed to East | 12 x 3 =     | 7 x 3 = | 11 x 3 = | 12 x 3 = | 12 x 3 = | 11 x 3 =     | 3 × 3 = | 10 x 3 = | 1 × 3 =  | 3 × 3 =  | 3 × 3 =  | 3 x 1 = | 3 × 5 = | 3 × 5 = | 3 x 9 = | 3 x 4 =   | 3 x 6 =    | 3 × 5 =  | 3 × 8 =  | 3 x 2 = |
| 60<br>Aytan Primary School  | 60.          | 59,     | 58,      | 57.      | 56,      | 55,          | 54,     | 53       | 52,      | 51,      | 50,      | 49,     | 48.     | 47.     | 46,     | 45,       | ų          | 5        | 42.      | 4       |
|                             | 5<br>8 × 3 = | 2 x 3 = | 7 x 3 =  | 4 x 3 =  | 6 x 3 =  | 89 × 3<br>11 | 7 x 3 = | 7 x 3 =  | 12 x 3 = | 11 × 3 = | 12 × 3 = | 1 × 3 = | 9 x 3 = | 2 × 3 = | 5 X 3 = | 9 X 3 =   | 8 X 3 =    | 12 × 3 = | 11 × 3 = | 3 x 3 = |

# Literacy

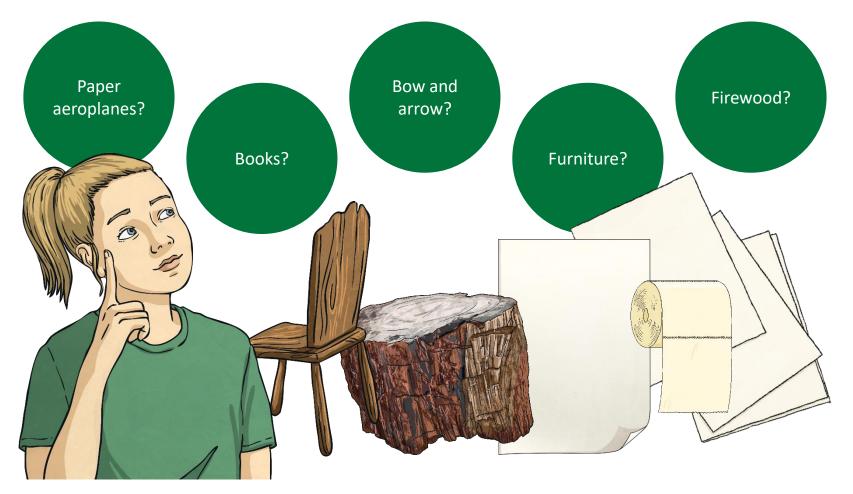
# <u>New Writing Genre: Newspaper</u> <u>Writing</u>

# Immersion Lesson: Deforestation

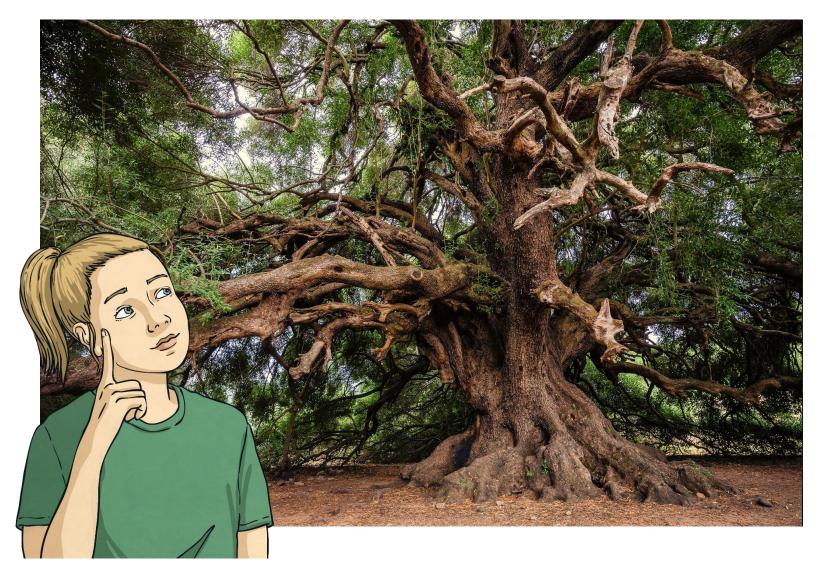
- Over the coming weeks, we will be writing newspaper articles based on a story linked to deforestation.
- Please use the link below to learn more about deforestation.
- Link: <u>https://www.youtube.com/watch?v=lg9Tfc\_hNsE</u>

## Think About It

What do you think about when you look at these pictures?

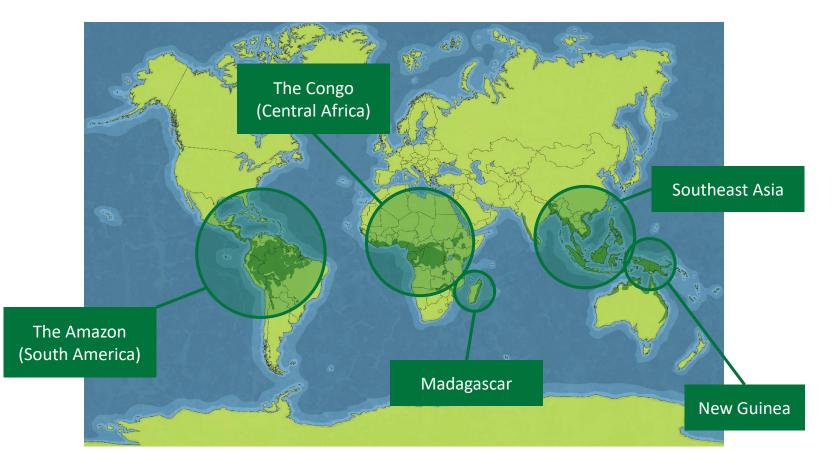


What about a tree or perhaps a forest?



## Forest Fact

Around 30% of the Earth is covered by trees.



## Why Are Rainforests So Important?

Rainforests cover only 6% of the Earth but they are home to 50% of all plant and animal species. In just four square miles, you might find...



...and much more!



### Why Are Rainforests So Important?



Rainforests are often known as the 'lungs of the Earth'. The trees absorb harmful carbon dioxide and produce 20% of the oxygen in Earth's atmosphere.

> Rainforests get their name from the heavy rains that fall almost every day. Trees soak up the water and help prevent erosion. Without them, the soil would wash away.

## What Is Deforestation?

Deforestation occurs when trees are cut down across a wide area. This land is then used for another purpose.



#### Did You Know...?

Every minute, an area of rainforest the size of a football pitch is cut down. If this rate continues, there will be no rainforests in 100 years.



There are over 7 billion people on the planet. This number keeps growing and, by 2100, there could be 11.2 billion people. All of these people need food so land is cleared for farming. Forests are cleared permanently for animal grazing, which provides meat. Land is also used to grow crops, such as sugar cane and palm oil. Huge areas of forest are cut down to grow soya, which is used to feed cattle and pigs.

### Why Are the Rainforests Being Cut Down?



Trees are useful and valuable. Among other things, they are used for paper, building and firewood.



The rainforest is home to a unique variety of tree species. Hardwoods, such as teak or mahogany, are strong and so are perfect for building and for making furniture. However, these trees are slow growing and are not easy to replace.





"Oil palm plantation" by Martin H is licensed under CC BY 2.0

#### **Subsistence Farming**

Known as slash and burn, families cut down small parts of the forest and burn it to improve the soil and make room for cattle.

It is small scale and the forest can regenerate but with more people taking more land, this chance of recovery is slower. Up to 48% of all deforestation is caused by subsistence farming.

#### **Commercial Farming**

This is farming that happens on a large scale. It is led by companies who need to produce on a much bigger scale to provide food and products for the wider world.

## Palm Oil

Palm oil comes from the fruit of oil palm trees. Palm oil is edible and is found in lots of food. It is used in a huge range of products, such as toothpaste, deodorant, make-up, shampoo and lipstick. Palm oil can also be used as animal feed and as a biofuel for machines.

Huge areas of rainforest are destroyed in order to grow oil palm trees. This means animals and other plants lose their natural habitats.



## Independent Task

Your task today in Literacy is to design an environmentally friendly classroom. With growing concerns about the rainforests and deforestation your challenge is to design a classroom where no wood has been used.

What other materials could you use?

What will the classroom look like?

What are you going to write on?

What are you going to use instead of books and paper?

No wood can be used!

Please draw what the classroom would look like and remember to label it too. Your environmentally friendly classroom needs colouring in too.

Monday 15th November 2021

#### Immersion Lesson: Deforestation

Today in Literacy we have been looking at the concerns surrounding deforestation. With the rainforests beginning to disappear your challenge today is to draw an environmentally friendly classroom where no wood has been used. You need to consider what the classroom would look like and what the objects would be made of instead of wood. Remember to label your classroom and colour it in too.

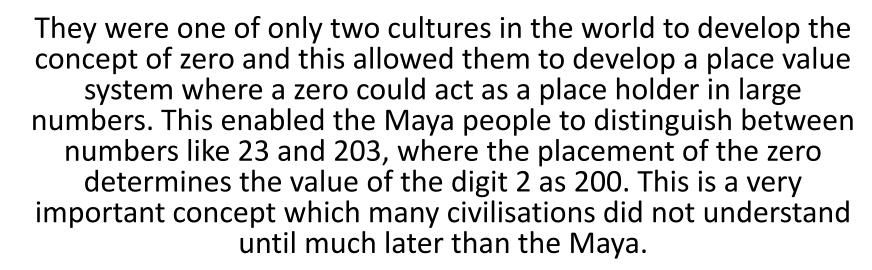
# <u>History</u>

# <u>The Maya Civilisation – Number System</u>

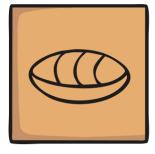


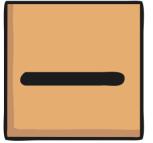
# The Maya and Numbers

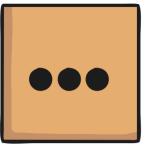
The Maya had a good understanding of numbers and they developed a complex number and counting system which was advanced for their time.



The Maya people used symbols to represent their numbers. Let's have a look at how it worked.



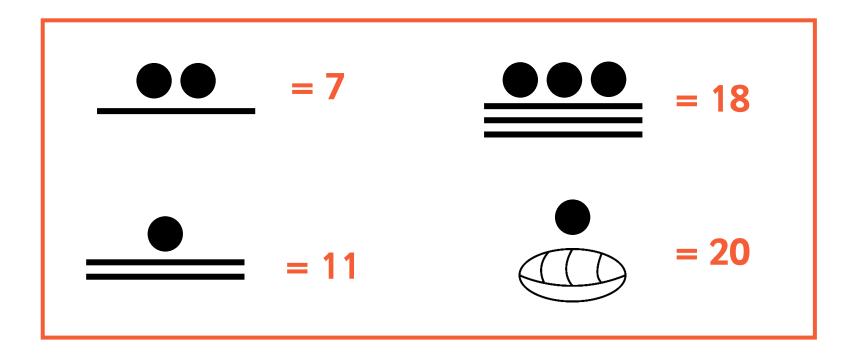




## Number Symbols

The Maya people used just three symbols in their number system. These are thought to represent items that the Maya people might have first used to count with such as pebbles, sticks and shells.

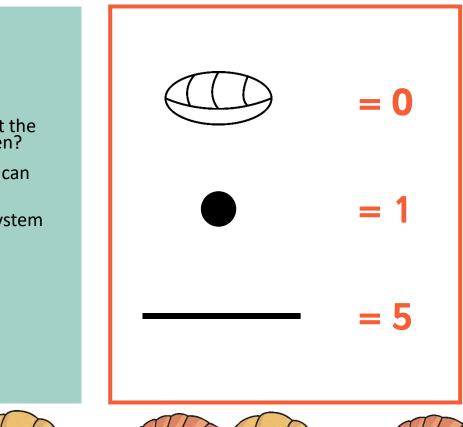
With your partner, look at the following Maya numbers. Can you work out what numbers the symbols represent and how the system works?

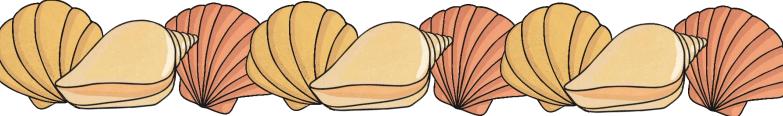


# Shells, Sticks and Pebbles

#### Questions

- 1. Did you figure it out?
- 2. What have you learnt about the way the numbers are written?
- 3. What other Maya numbers can you write?
- 4. How is the Maya number system similar and different to our own?





# Maya Numbers

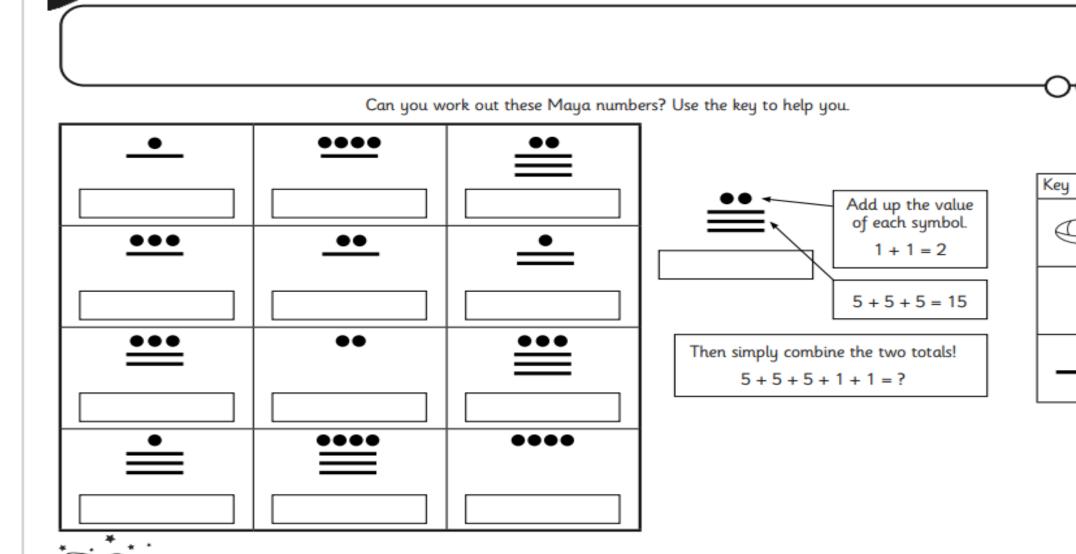
| 1  |             | 11 | <u> </u>   |
|----|-------------|----|------------|
| 2  | ••          | 12 | ••         |
| 3  | •••         | 13 | <b>•••</b> |
| 4  | ••••        | 14 | ••••       |
| 5  |             | 15 |            |
| 6  | <u> </u>    | 15 |            |
| 7  | ••          | 16 |            |
| 8  | •••         | 17 |            |
| 9  | <u>••••</u> | 18 |            |
| 10 |             | 19 |            |

# Maya Numbers

|    |           | _  |   |
|----|-----------|----|---|
| 20 | •<br>Đ    | 30 | • |
| 21 | •         | 31 | • |
| 22 | •         | 32 | • |
| 23 | •         | 33 | • |
| 24 | •         | 34 | • |
| 25 | •         | 35 | • |
| 26 | •         | 36 | • |
| 27 | •         | 37 |   |
| 28 | •         | 38 | • |
| 29 | •<br>•••• | 39 | • |

The Maya people used a base 20 number system, so after number 19 multiples of 20 were written above the bottom number. This is called a vigesimal positional number system.

## 0–19 Maya Number System



#

plan it

History | UKS2 | The Maya Civilisation | Maya Number System | Lesson 3

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