Remote Learning – Class 4

Tuesday 16th November 2021

16.11.21

Maths

Multiply by 100

- Today in Maths we are looking at multiplying numbers by 100.

- To understand this topic better please use the link below to watch a video on multiplying numbers by 100.

- Video: 'Multiply by 100'.

- Link: https://whiterosemaths.com/homelearning/year-4/week-10-number-multiplication-division/

1) Complete the sentences.

    100 ones are equal to 1 _____

    ___ tens are equal to 1 thousand

2) $4 \times 100 =$ ___ $\times 4$

3) $4 \times 100 = 10 \times 4 \times$ ___

4) 1,000 cm = _____ m

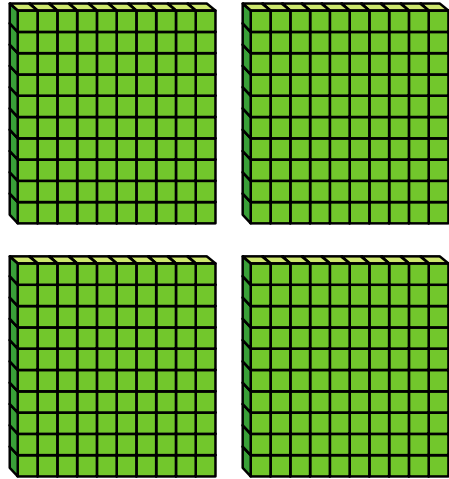1) Complete the sentences.

   100 ones are equal to 1 __hundred__

   __100__ tens are equal to 1 thousand

2) $4 \times 100 = \underline{100} \times 4$

3) $4 \times 100 = 10 \times 4 \times \underline{10}$
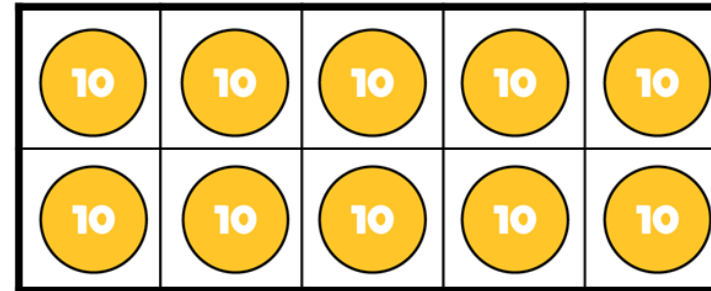
4) 1,000 cm = __10__ m

4 groups of 100

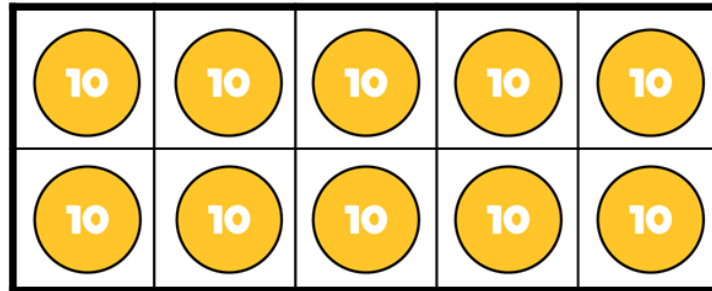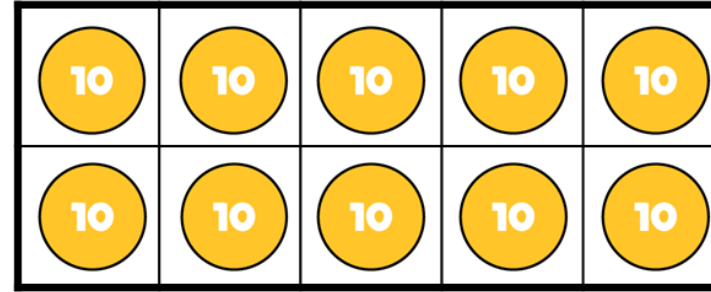| 100	100	100	100

4×1 hundred $= 4$ hundreds

$4 \times 100 = 400$ $100 \times 4 = 400$

4 groups of 100
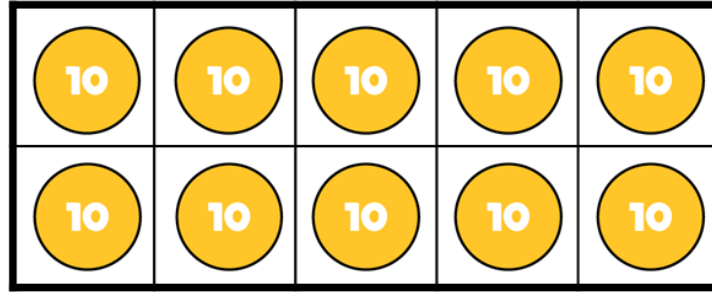
10×1 ten $= 10$ tens

10 tens $= 1$ hundred

$10 \times 10 = 100$

40×1 ten $= 40$ tens

40 tens $= 4$ hundreds

$40 \times 10 = 400$

4 groups of 100
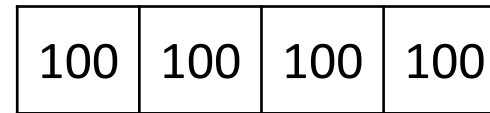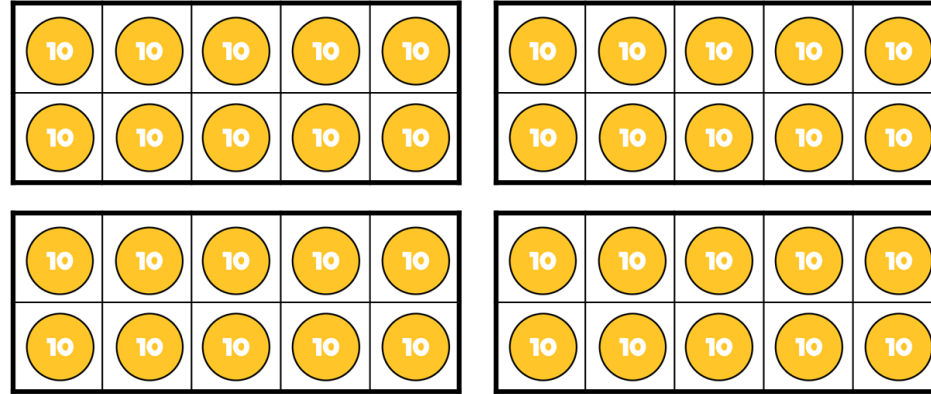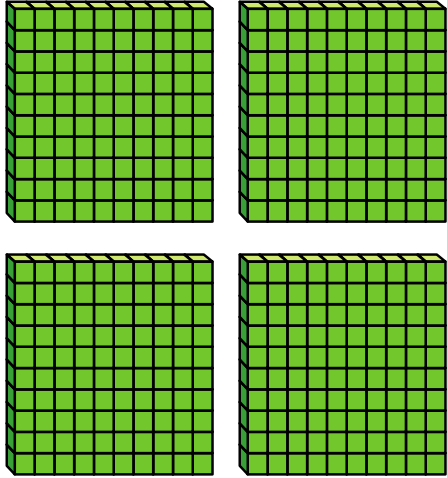
4×1 hundred $= 4$ hundreds

40×1 ten $= 40$ tens

$4 \times 100 = 400$

$40 \times 10 = 400$
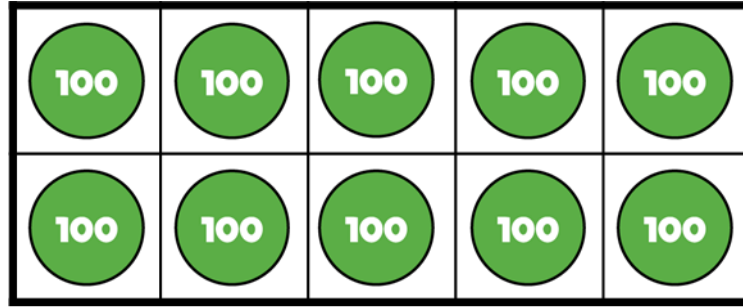
$10 \times 1 \text{ hundred} = 10 \text{ hundreds}$

$10 \text{ hundreds} = 1 \text{ thousand}$

$10 \times 100 = 1{,}000 \qquad\qquad 100 \times 10 = 1{,}000$
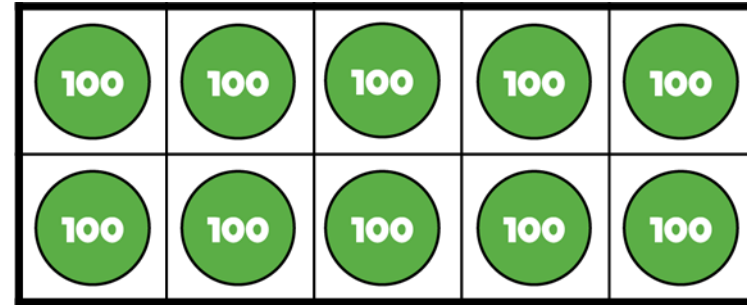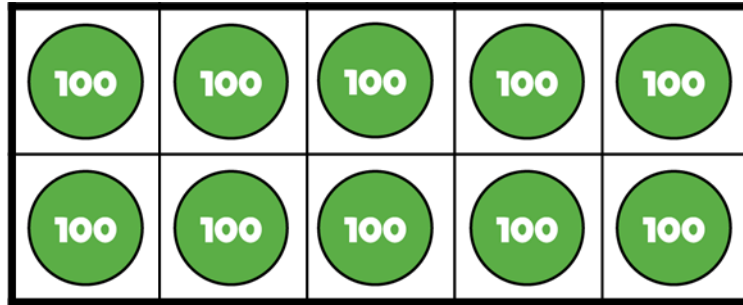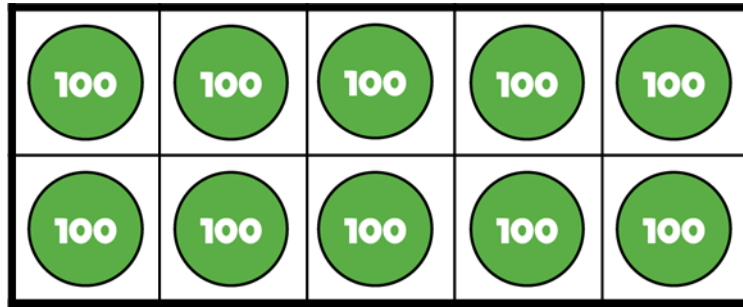
$$30 \times 1 \text{ hundred } = 30 \text{ hundreds}$$

$$30 \text{ hundreds} = 3 \text{ thousands}$$

$$30 \times 100 = 3{,}000 \qquad 100 \times 30 = 3{,}000$$
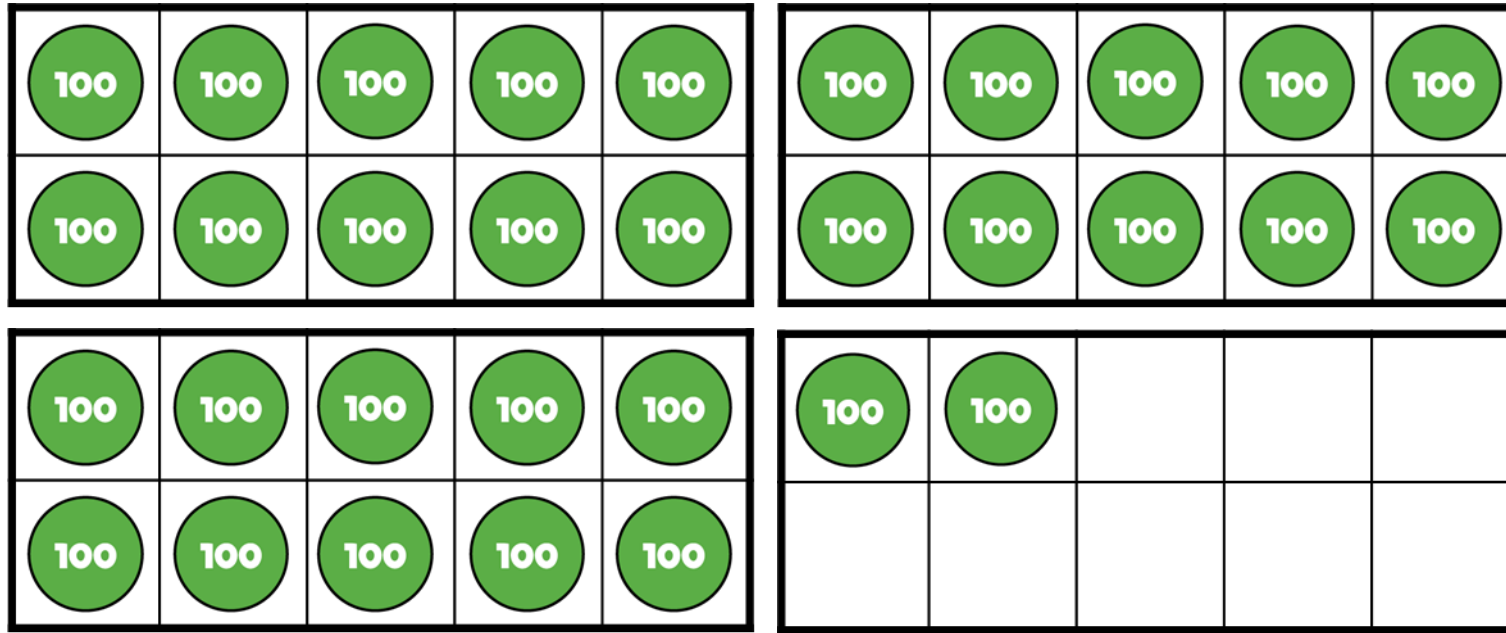
32×1 hundred $=$ 32 hundreds

32 hundreds = 3 thousands and 2 hundreds

$32 \times 100 = 3,200$ $100 \times 32 = 3,200$
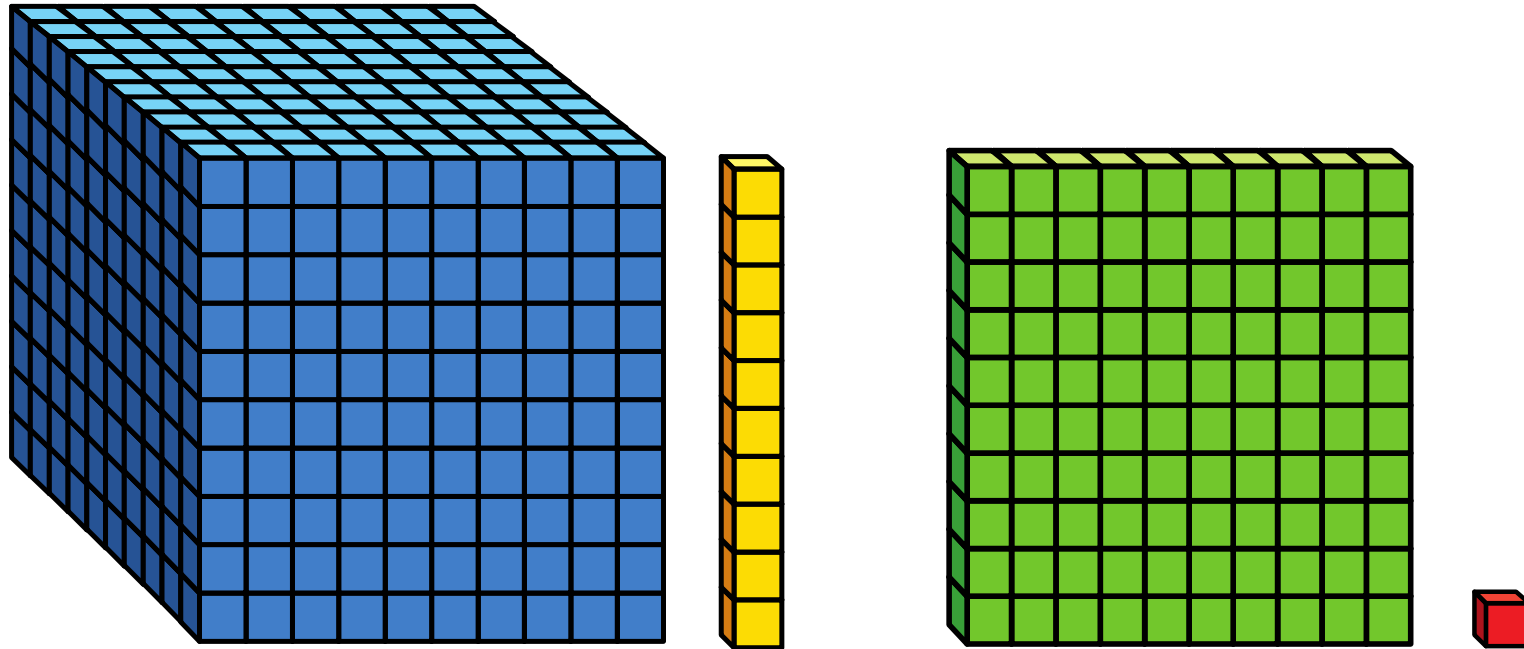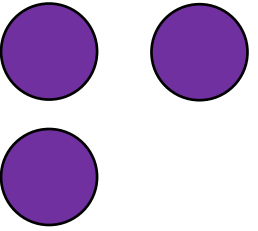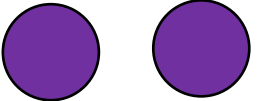
1 hundred is 100 times the size of 1 one

1 thousand is 100 times the size of 1 ten

Th	H	T	O
		●	● ● ●

100 times the size   100 times the size
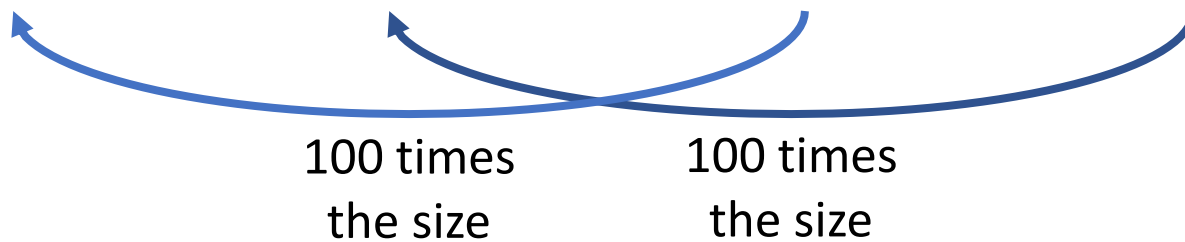
$$13 \times 100 = 1,300$$

Th	H	T	O
		● ● ●	● ●

100 times the size   100 times the size

$$32 \times 100 = 3,200$$

White Rose Maths

1 Complete the calculation shown in base 10
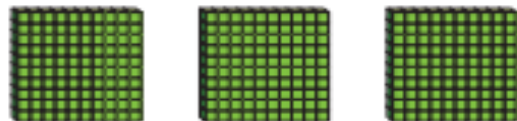
$3 \times 1 \text{ hundred} = \boxed{} \text{ hundreds}$

$3 \times 100 = \boxed{}$

2 Complete the number sentences.

a) $2 \times 100 = \boxed{}$ d) $5 \times 100 = \boxed{}$

b) $4 \times 100 = \boxed{}$ e) $100 \times 10 = \boxed{}$

c) $100 \times 8 = \boxed{}$ f) $\boxed{} = 20 \times 100$

3 There are 7 boxes of 100 crayons.

100 | 100 | 100 | 100 | 100 | 100 | 100

Circle the calculations that work out the total number of crayons.

$100 + 7 \qquad 100 \times 7 \qquad 7 + 100 \qquad 7 \times 100$

4 Match the images to the calculations.

Complete the calculations.

100 100 100
100 100 100

$9 \times 100 = \boxed{}$

100 100 100 100 100
100 100 100 100

$6 \times 100 = \boxed{}$

100 100 100 100 100 100
100 100 100 100 100 100

$12 \times 100 = \boxed{}$

5 Complete the calculations.

a) $32 \times 100 = \boxed{}$ d) $5 \times 7 \times 100 = \boxed{}$

b) $29 \times 100 = \boxed{}$ e) $\boxed{} \times 100 = 6,500$

c) $100 \times 72 = \boxed{}$ f) $100 \times \boxed{} = 3,000$

6 Calculate the perimeter of the rectangle.

5 m

3 m
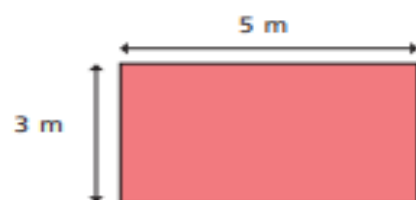
Give your answer in centimetres.

The perimeter of the rectangle is [____] cm

7 Write <, > or = to compare the statements.

a) 45 × 100 ◯ 45 × 10

b) 36 × 100 ◯ 100 × 36

c) 100 × 27 ◯ 26 × 100

d) 31 × 100 ◯ 31 × 10 × 10

e) 30 × 10 ◯ 3 × 100

8 Amir thinks of a 2-digit even number.

He multiplies it by 100

His answer is greater than 3,450 but less than 3,750

Write the number that Amir is thinking of.

[____]

9 Four children are making numbers using base 10

The table shows how many of each piece they use.

	Number of 100s	Number of 10s
Eva	17	0
Ron	15	8
Dexter	16	15
Whitney		

a) What number has Eva made?

[____]

b) Who has made the biggest number?

_____

c) Whitney has made the same number as Eva.

She used 100s and 10s.

What pieces could Whitney have used?

Write your answer in the table.

Are there any other answers? Talk about it with a partner.

Name: _____

1. $30 + 3 =$ _____
2. $18 + 3 =$ _____
3. $24 + 3 =$ _____
4. $27 + 3 =$ _____
5. $18 + 3 =$ _____
6. $18 + 3 =$ _____
7. $6 + 3 =$ _____
8. $3 + 3 =$ _____
9. $27 + 3 =$ _____
10. $15 + 3 =$ _____
11. $15 + 3 =$ _____
12. $33 + 3 =$ _____
13. $33 + 3 =$ _____
14. $33 + 3 =$ _____
15. $9 + 3 =$ _____
16. $33 + 3 =$ _____
17. $18 + 3 =$ _____
18. $21 + 3 =$ _____
19. $12 + 3 =$ _____
20. $30 + 3 =$ _____

21. $15 + 3 =$ _____
22. $33 + 3 =$ _____
23. $30 + 3 =$ _____
24. $12 + 3 =$ _____
25. $12 + 3 =$ _____
26. $6 + 3 =$ _____
27. $6 + 3 =$ _____
28. $15 + 3 =$ _____
29. $18 + 3 =$ _____
30. $21 + 3 =$ _____
31. $18 + 3 =$ _____
32. $24 + 3 =$ _____
33. $12 + 3 =$ _____
34. $18 + 3 =$ _____
35. $27 + 3 =$ _____
36. $33 + 3 =$ _____
37. $27 + 3 =$ _____
38. $15 + 3 =$ _____
39. $30 + 3 =$ _____
40. $33 + 3 =$ _____

41. $24 + 3 =$ _____
42. $15 + 3 =$ _____
43. $18 + 3 =$ _____
44. $36 + 3 =$ _____
45. $36 + 3 =$ _____
46. $3 + 3 =$ _____
47. $27 + 3 =$ _____
48. $21 + 3 =$ _____
49. $9 + 3 =$ _____
50. $12 + 3 =$ _____
51. $12 + 3 =$ _____
52. $18 + 3 =$ _____
53. $36 + 3 =$ _____
54. $9 + 3 =$ _____
55. $27 + 3 =$ _____
56. $15 + 3 =$ _____
57. $9 + 3 =$ _____
58. $9 + 3 =$ _____
59. $6 + 3 =$ _____
60. $36 + 3 =$ _____

Time taken: .

Score: /60

Reading

Rainforest Deforestation

Rainforests are a very important part of our planet, giving us oxygen, absorbing carbon dioxide and giving a home to 50% of the animal and plant species of the planet. Not to mention the medicines and cures that are made from the plants that grow there.

Deforestation

Deforestation is the name given to the destruction of the rainforests and this is being done by burning them down, chopping down the trees or flooding the areas. This is happening so fast that an area the size of one football pitch is being destroyed every minute! If this carries on at this speed, it will take less than a hundred years to destroy all the rainforests on Earth.

Fact File in Numbers

- 20% of the world's oxygen is produced in the Amazon forest.

- 28,000 species of animals are expected to become extinct in the next 25 years due to deforestation.

- 50% of the tropical rainforests that we had have already gone.

Why are they being destroyed?

The biggest reason for clearing the rainforests is to make space for producing food, including cattle to be farmed for cheap beef and also growing large crops, such as soya beans and palm oil. In addition, other causes of deforestation, which are also related to making money include: chopping down and using the wood from the forest; building roads for mining metals, gold or diamonds; flooding areas to make dams to generate electricity and also digging for oil.

How can they be saved?

You could help by raising money for a deforestation charity. Also, you could think about the reasons that the forests are being destroyed and how you could help. For example, the cheap beef farmed in the areas that used to be rainforest land is often used in fast food chains. Could you avoid eating fast food from these outlets? You could also check on your supermarket food labels - was it farmed in an area where deforestation is taking place? You could also use rainforest friendly wood so you know it is not a product of deforestation. Finally remember, paper comes from trees so any paper saving you can do, as well as recycling, will help the environment.

Questions about Rainforest Deforestation

1. Name a reason not to destroy rainforests given in the first paragraph.

2. Name one of the three ways given that a rainforest can be destroyed.

3. What does 'deforestation' mean?

4. In the fact file, what does the word 'extinct' mean?

5. Why does saving paper help the rainforests?

6. Why has the author used an exclamation mark in paragraph two?

7. What fraction of the earth's plant and animal species live in the rainforests?

8. What is the main reason that rainforests are being destroyed?

9. Which rainforest produces 20% of the world's oxygen?

10. What is your opinion about deforestation? What could you do to try and help stop it?

Literacy

Newspaper Writing - Deforestation

What Is Deforestation?

Deforestation is the act of clearing away many trees by cutting or burning.

It is usually done in order to make way for growing crops or farming cattle, for building roads or towns, or to make use of the wood.

What Is Deforestation?

Trees are useful and valuable.

What things can you find in the room that rely on trees being cut down?

Woods like teak and mahogany are strong and are perfect for making furniture or building. Many of these unique tree species grow in tropical rainforests like the Amazon in South America and are cut down so that the wood can be sold. This is called **logging**.

Deforestation in the Amazon Rainforest

The Amazon rainforest is the world's largest tropical rainforest. It is so big that the UK and Ireland would fit inside it seventeen times.

The rainforest is home to 390 billion trees (16,000 species) and 10% of all animal species in the world live there. There are at least 40,000 different plant species in the Amazon rainforest.

Deforestation in the Amazon Rainforest

Humans are the biggest threat to the Amazon rainforest.

More than five billion trees are cut down across the tropics every year, according to a study published in 2015.

This number increases every year and over half of the tropical forests worldwide have been destroyed since the 1960s.

Deforestation in the Amazon Rainforest

These are the main causes of deforestation in the Amazon rainforest.

Cause of deforestation	Percentage of deforestation caused
Cattle ranching	65-70%
Agriculture (growing crops)	25-30%
Logging	2-3%
Fires, mining, building, road creation, dams	1-2%

Cattle ranching produces beef and leather among other products.
Logging usually results in **'degradation'**, not deforestation, meaning that specific types of tree are cut down and the forest can no longer provide certain fruit, leaves, habitats, etc. for its ecosystems.

Independent Task

- Today, in Literacy I would like you to read through the different points made regarding deforestation. Once you have read them you need to assemble them into 'for' and 'against' arguments for deforestation. You can either cut and stick the arguments into for and against columns or you can write them out underneath the correct column.

- Extension: What is your opinion on deforestation? Overall, do you think it's a good or bad thing? Please justify your opinion with reasoning.

Deforestation provides us with essential products, such as some of our paper and toilet paper.

In 2050, it is estimated that there will be 10 billion people on the planet. We need more space to live in and deforestation will give us that.

Deforestation makes room for more crops to be grown which can then be used to feed more people.

It provides job opportunities for those who work in a forest clearing.

New roads can be built which makes it easier for people to travel and to work. This will help to boost the economy of certain countries.

Deforestation makes more room for grazing animals which can then be used for food purposes and other useful products.

If deforestation continues at its current rate, there will be no rainforests on the planet in 100 years.

There will be a negative impact on the environment because trees filter carbon dioxide out of the air that we breathe. If there are fewer trees, less oxygen will be produced.

Trees and plants absorb water from the ground and prevent the soil from becoming over-saturated. Therefore, deforestation will increase flooding.

Indigenous people who live in the rainforests will lose their homes.

Deforestation will make thousands of species of animals and plants that live in rainforests extinct.

Trees are a limited resource. If new trees are not planted, the products that they are used to make will one day run out.

Are you for or against deforestation in the Amazon rainforest?

Can you explain why?

Religious Education
Gandhi

Famous quotes

- Gandhi said a number of famous quotes in an attempt to make the world a better place.

- On the next slide, I would like you to read some of Gandhi's most famous quotes.

- What do you think he meant by these quotes? Choose one and write your thoughts down.

Whenever you are confronted with an opponent, conquer him with love.

You must be the change you wish to see in the world.

In a gentle way you can shake the world.

First they ignore you, then they laugh at you, then they fight you, then you win.

I object to violence because when it appears to do good, the good is only temporary; the evil it does is permanent.

Nobody can hurt me without my permission.

Non-violence is a weapon of the strong.

You can chain me, you can torture me, you can even destroy this body, but you will never imprison my mind.

Independent Task

- Today in Religious Education, I would like you to choose one of Gandhi's famous quotes and explain what you think he meant by this. After you have selected a particular quote from Gandhi and explained what you think the meaning behind it is, please draw some supporting pictures to go with it.

- Extension: What do you think his quotes are trying to teach us today? Please explain your views.