



Birches First School
Believe, Grow, Succeed



School Closure Home Learning

Year 4 Daily Tasks

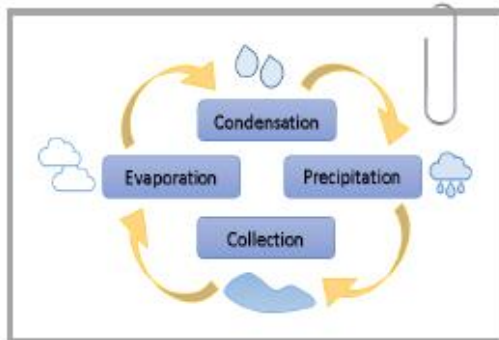
Date: 6/5/20

Reading task -

Read the non-fiction text and answer the inference questions.

The Water Cycle

Did you know that there is the same amount of water on Earth now as there was when the Earth was first formed? This is because of a process that includes precipitation, collection, evaporation and condensation known as The Water Cycle.



How does the Water Cycle work?

1. To begin with, water, which is stored on Earth in lakes, seas, oceans, streams and rivers, is heated up by the sun. This turns the liquid water into a gas called water vapour.
2. At this point, the water vapour rises and it is seen in the sky as clouds. This is evaporation.
3. As the water vapour rises, it begins to cool down and becomes liquid again. This part of the process is called condensation.

* You sometimes see condensation on kitchen and bathroom windows.



The heat from the sun is a vital part of the cycle.

These water droplets eventually fall back to earth as precipitation - rain, snow, hail or sleet.

4. As the water reaches the ground, it flows back to rivers, sea, streams and oceans. Some water is absorbed by plants or drunk by animals, but most ends up in bodies of water. This final part is called collection.
5. The cycle is now ready to begin again.

This process is continuous and is happening all around us, all the time. The Water Cycle is vital for life on Earth. Without it, life would not be able to exist on our planet.

Did you know?

The Water Cycle is also known as the Hydrological Cycle.

Questions -

Q1

How does the author give the impression that people may be surprised to find the amount of water hasn't changed?

Q2

What could happen if there was not as much space for bodies of water such as lakes and oceans?

Q3

Look at point 3.

What would happen without condensation?

Q4

'These water droplets eventually fall back...'

What does this suggest about the time the process takes?

Q5

Roughly how much water is absorbed by plants or drunk by animals?

all of it

a small amount

a large amount

Q6

What impression are you given of the sun's role during the water cycle process?

Impression	Evidence

Writing/SPaG task

Creative writing – time to use your imagination!

Plan your ideas before you write your paragraph. Remember to use different language features to aid your description –

- Expanded noun phrases
- A range of conjunctions
- Adverbs
- Fronted adverbials
- Alliteration
- Similes and metaphors
- Emotive language



What would life on Earth be like if dinosaurs were not extinct? Write a paragraph describing a world where dinosaurs do exist.

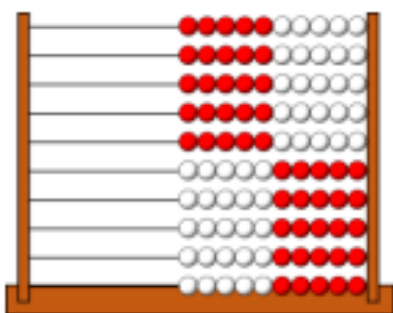
Maths task (This learning is also supported on White Rose Maths home learning with presentations and worksheets)

<https://whiterosemaths.com/homelearning/year-4/>

Decimals – halves and quarters

Parent guidance – Children write $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{4}$ as decimals. They use concrete and pictorial representations to support the conversion. Children use their knowledge of equivalent fractions to write fractions as hundredths and then write the fractions as halves or quarters. Use the activity below to help children with this concept. If they find it difficult please visit the White Rose home learning page for a helpful video and use concrete representations. If your child is secure with the below concept, move onto the additional questions.

Here is a rekenrek with 100 beads.



___ out of 100 beads are red.

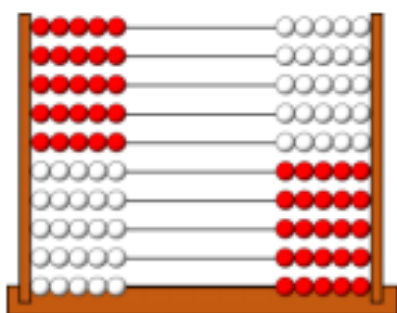
___ out of 100 beads are white.

are red, and are white.

Half of the beads are red, and half of the beads are white.

$\frac{1}{2} = \frac{50}{100} = \frac{5}{10}$, so $\frac{1}{2}$ is _____ as a decimal.

The beads are split equally on each side of the rekenrek.



There are 4 equal groups.

1 out of 4 equal groups = ___ beads.

1 out of 4 equal groups = /100

$\frac{1}{4} = \frac{\text{input}}{100} = \text{_____}$

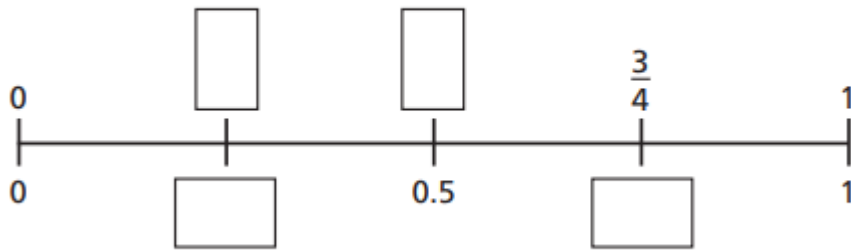
What fraction is represented by 3 out of the 4 groups?

Can you write this as a decimal?

$\frac{3}{4} = \frac{\text{input}}{100} = \text{_____}$

Additional questions -

- 1) Fill in the missing fractions and decimals on the number line.



- 2) Complete the equivalent fractions and decimals.

a) $\frac{25}{100} = \frac{\quad}{\quad}$ e) $\frac{25}{100} = \frac{\quad}{4}$

b) $\frac{75}{100} = \frac{\quad}{\quad}$ f) $\frac{\quad}{4} = \frac{75}{100}$

- 3)



I don't need to shade a hundred square to write $\frac{3}{4}$ as a decimal because I already know what $\frac{1}{2}$ and $\frac{1}{4}$ are as decimals.

How does this help Annie?

Challenge -

Use your knowledge of equivalent fractions to convert between fractions and decimals.

a) $\frac{2}{4} = \frac{\quad}{\quad}$ d) $0.25 = \frac{\quad}{24}$

b) $\frac{5}{20} = \frac{\quad}{\quad}$ e) $\frac{\quad}{68} = 0.5$

c) $\frac{\quad}{\quad} = \frac{21}{28}$ f) $0.75 = \frac{\quad}{400}$

Indoor extras 😊

- Design a super hero and then dress up like that super hero, cape and all!
- Be helpful – learn to do some jobs around the house
- Remember our Science work on sound – can you make some yoghurt pot phones similar to the ones we made in school with plastic cups?
- Start your time capsule – see the link on the school website
- Learn a Queen song