Year 4 Home-learning activities
Monday 15th June 2020

Subject	Activity/Resource
English	**Comprehension Challenge Time!** Today's English is a comprehension activity about Planet Earth. You will read an information text about our planet and then answer some questions based on what you have read. There are 3 different sheets so you can pick which one to do based on your confidence: **Hot- "I feel confident about this task."** **Spicy- "I feel very confident about this task."** **Scorching- "I feel EXTREMELY confident about this task."** You may choose whichever task you want, but you only need to do one. You can of course ask an adult to help you with any words you do not understand. Try to attempt every question even if you are not sure! (The answers are included so when you have finished you can check your answers)
Maths	We continue to look at decimals this week, starting by writing decimals with tenths and hundredths and then comparing decimals using different strategies. *Lesson 1* – Write Decimals *Lesson 2* – Compare Decimals https://whiterosemaths.com/homelearning/year-4/ Work through the lessons and related activities for **Summer Term Week 8 (Lessons 1 and 2)** REMEMBER…..There are videos online that teach these lessons!
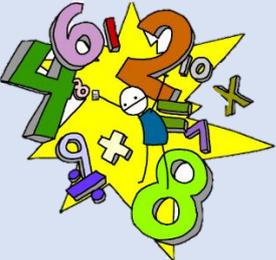
Topic	Last week, in honour of World Ocean Day our Topic lessons focussed on our planet's oceans and seas around the world. This will continue this week as we look a bit closer at some of the wonderful marine life and creatures that live in the ocean. Today your task is to create your own ocean food chain! Food chains show each part of marine life's role in the ocean (there is an example below!). Cut and stick the key words where you think they belong under the pictures of marine animals. I will include the correct answers in Thursday's Home Learning email! *(This is a cut and paste activity – if you do not have a printer, you can draw the pictures of the animals and then write the answers underneath your pictures)*
Art	We are going to change things up slightly this week as you have all been working hard on the Science postcards but possibly want a break from those. Your Art task this week is to create a nature collage *(there are some examples below).* Try and get outside if you can and collect things (leaves, twigs, parts of plants that have fallen off) to stick onto a piece of card or paper. If you are not able to get outside, you can draw a scene from the natural world of your choice. Have fun!

IMPORTANT TIPS TO REMEMBER:

- Write the date (DD/MM/YY) at the top of each piece of work you do.
- Write the title of the work underneath the date.
- If can, send me a photo of your work or if you can complete it on a computer, send the file to me so I can have a look at your work.
- If you have any issues with the work set, please email me straight away and I will try to get back to you as soon as possible.
- I will send the next set of work to you on Monday.
- This work is for you to do at your own pace. Please do not feel like you must complete everything straight away.

Write decimals

1 Make the number represented on each of the place value charts.
Complete the sentences to describe each number.

a)

Ones	Tenths	Hundredths
1 1 1	0.1 0.1	0.01 0.01 0.01
		0.01 0.01

There are ☐ ones,

☐ tenths and

☐ hundredths.

The number is ☐

b)

Ones	Tenths	Hundredths
	0.1 0.1 0.1	0.01 0.01 0.01
	0.1 0.1	0.01 0.01

There are ☐ ones,

☐ tenths and

☐ hundredths.

The number is ☐

c)

Ones	Tenths	Hundredths
1 1 1		0.01 0.01 0.01
		0.01 0.01 0.01
		0.01

There are ☐ ones,

☐ tenths and

☐ hundredths.

The number is ☐

d)

Ones	Tenths	Hundredths
1 1 1	0.1 0.1 0.1	
	0.1 0.1 0.1	
	0.1	

There are ☐ ones,

☐ tenths and

☐ hundredths.

The number is ☐

2 Make each number on a place value chart.
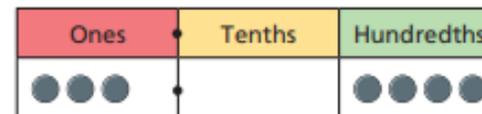Write the value of the underlined digit.

a) 6.3̲1 _____

b) 12.0̲9 _____

c) 0.07̲ _____

d) 5̲6.82 _____

3 Alex says the number on the place value chart is 3.4

Ones	Tenths	Hundredths
● ● ●		● ● ● ●

Do you agree with Alex? _____

Explain your answer.

4 Fill in the zeros needed as placeholders for each number.

a)

T	O	Tths	Hths
3	2		4

d)

T	O	Tths	Hths
		5	

b)

T	O	Tths	Hths
	2		4

e)

T	O	Tths	Hths
	2		

c)

T	O	Tths	Hths
			4

f)

T	O	Tths	Hths
3	5		

Compare answers with a partner.

5 Complete the part-whole models.

a)

```
        (   )
       /     \
   (0.2)   (0.09)
```

c)

```
      (0.53)
      /     \
   (0.4)   (   )
```

b)

```
        (0.3)
       /
   (   )—(0.07)
       \
        (0.1)
```

d)

```
        (0.4)
       /
  (0.81)—(   )
       \
        (0.28)
```
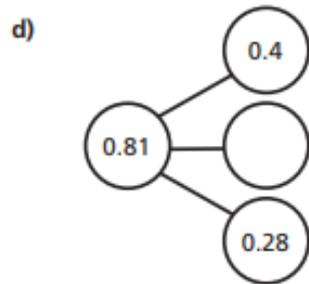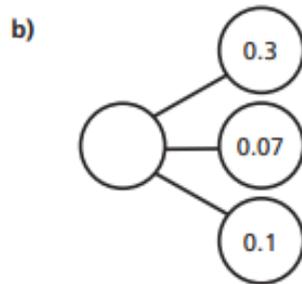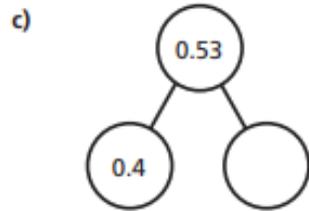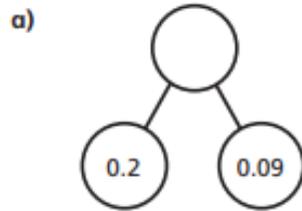
6 Here is a part-whole model.

Partition 0.72 in three different ways and complete the number sentences.

```
      (0.72)
      /     \
   (   )   (   )
```

[   ] + [   ] = 0.72

[   ] + [   ] = 0.72

[   ] + [   ] = 0.72

7 Eva is asked to show 10 tenths on a place value chart.

Here is her answer.

Ones	Tenths	Hundredths
	● ● ● ● ● ● ● ● ● ●	

Is Eva correct?

8 Here are five number cards.

Annie, Rosie, Jack, Dora and Whitney take one card each.

| 0.06 | 0.4 | 0.2 | 0.05 | 0.03 |

Use the clues to work out which number they each have.

My number has 5 hundredths.

Annie

My number is twice as much as Dora's.

Rosie

My number has 2 zero place holders.

Jack

My number is more than Jack's.

Dora

My number is less than Jack's.

Whitney

Annie [   ]   Dora [   ]   Whitney [   ]

Rosie [   ]   Jack [   ]

Did your partner use the same method?

Compare decimals

1 Write < or > to compare the decimals.

a)

O	Tths	Hths
	0.1 0.1	0.01 0.01 0.01 0.01

○

O	Tths	Hths
	0.1 0.1 0.1	0.01 0.01 0.01 0.01 0.01

b)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01

○

O	Tths	Hths
1 1 1	0.1 0.1 0.1 0.1 0.1	0.01 0.01 0.01

c)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01 0.01 0.01

○

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01

d)

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01 0.01

○

O	Tths	Hths
1 1	0.1 0.1	0.01 0.01 0.01 0.01 0.01

Did you have to compare all the columns for every question?

2 Draw counters to make the statements correct.

a)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01

<

O	Tths	Hths

b)

O	Tths	Hths
1 1 1	0.1	0.01 0.01 0.01 0.01

>

O	Tths	Hths
1 1 1		

3 Write < or > to compare the decimals.

a)

O	Tths	Hths
7	6	8

○

O	Tths	Hths
7	0	2

b)

O	Tths	Hths
3	2	5

○

O	Tths	Hths
3	9	6

c)

O	Tths	Hths
0	4	1

○

O	Tths	Hths
0	2	9

d)

O	Tths	Hths
1	0	3

○

O	Tths	Hths
1	2	0

e)

O	Tths	Hths
2	7	2

○

O	Tths	Hths
2	7	1

4 Complete the place value charts to make the statements correct.

a)

O	Tths	Hths
6	2	8

<

O	Tths	Hths

b)

O	Tths	Hths
3	2	6

>

O	Tths	Hths
3		

c)

O	Tths	Hths
9	9	8

<

O	Tths	Hths

d)

O	Tths	Hths
1	4	6

>

O	Tths	Hths
	8	

5 Ron and Amir have each made a number using counters on a place value chart.

Ron's looks like this:

Ones	Tenths	Hundredths
	●●●●	●●

Amir's looks like this:

Ones	Tenths	Hundredths
●●●		

My number is greater than Amir's, because I have used twice as many counters.

Do you agree with Ron? _____

Explain your reasoning.

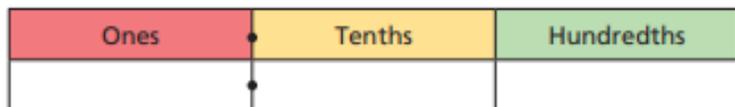**6** Draw exactly 8 counters in each chart to represent a number that matches each statement.

a) a number less than 0.76

Ones	Tenths	Hundredths

b) a number more than 5.74

Ones	Tenths	Hundredths

c) a number between 5.13 and 5.29

Ones	Tenths	Hundredths

How many different answers are there for each statement?

7 Write < or > to compare the numbers.

a) 3.2 ◯ 3.8

b) 1.46 ◯ 1.43

c) 1 ◯ 0.99

d) 0.16 ◯ 0.8

8 Fill in the missing digits to make the statements correct.

a) 0.34 < 0.3__

b) 2.42 > 2.4__

c) 0.74 < 0.__2

d) 1.3__ < 1.3__

e) 2.__2 > 2.__2

f) 0.8__ < 0.__9

Is there more than one answer for each?

9 Here are four digit cards.

| 7 | 0 | 3 | 1 |

Use each digit card once to make this statement correct.

☐.☐ > ☐.☐

How many possible answers are there?

Example Food Chain
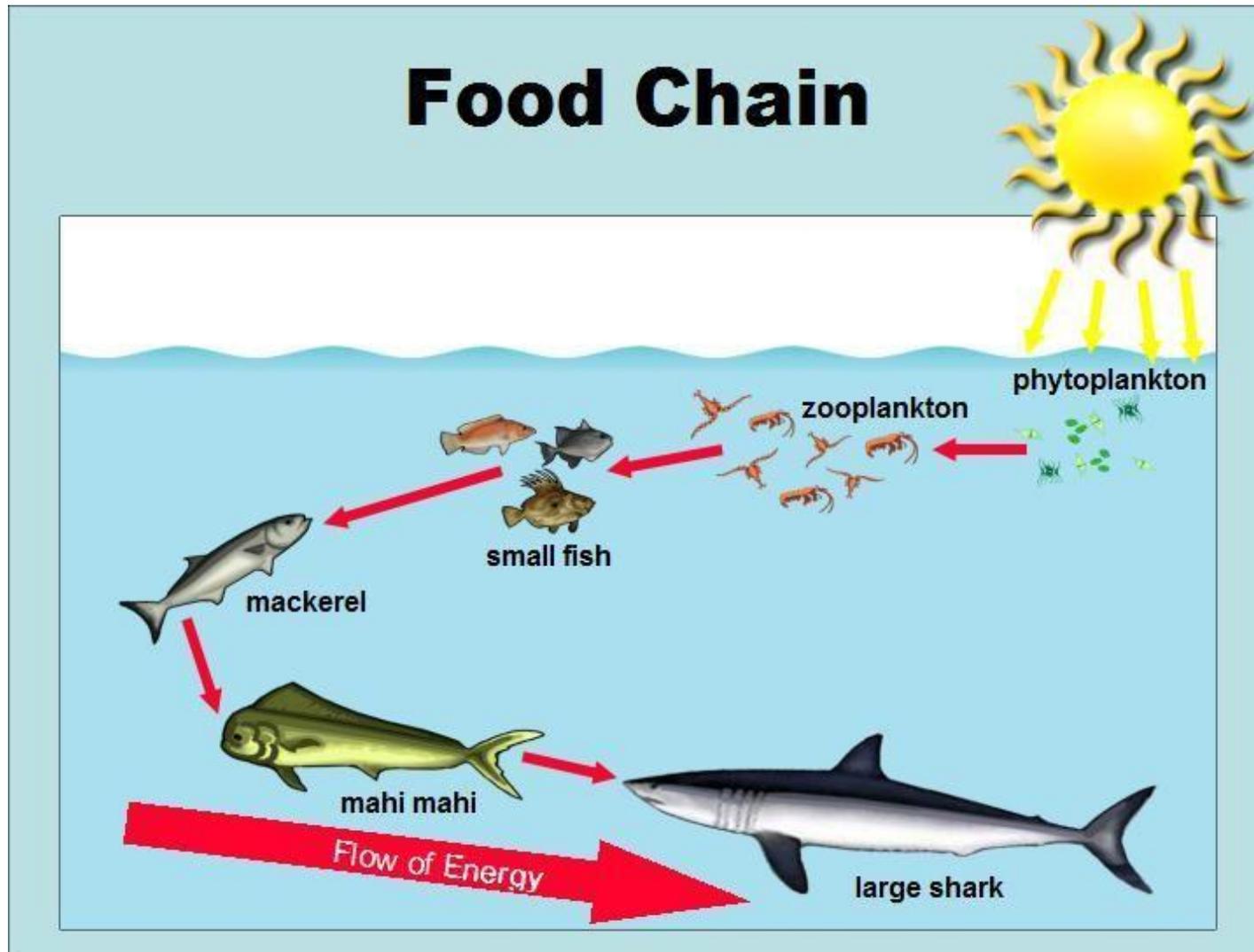
Ocean Food Chains Cut and Stick

Cut out the labels and match them to the food chain.

seaweed	crab	squid	seal