Year 4 Home Learning (Summer 1)

Resources

Math Week 1

Complete the calculations thinking carefully about the regroups.

Hundreds	Tens	Ones
100 100 100	10 10	1 1 1 1 1 1

$$\begin{array}{r} 326 \\ \times \quad 2 \\ \hline \\ \hline \end{array}$$

I had to regroup _____ ones into _____ ten and _____ones.

Hundreds	Tens	Ones
100	10 10 10 10 10 10	1 1

$$\begin{array}{r} 162 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

I had to regroup _____ tens into _____ hundreds and _____tens.

Complete the calculations explaining each regroup aloud as you do it.

$$\begin{array}{r} 231 \\ \times \quad 4 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 214 \\ \times \quad 7 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 403 \\ \times \quad 2 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 810 \\ \times \quad 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ \times \quad 3 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 210 \\ \times \quad 8 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 321 \\ \times \quad 3 \\ \hline \\ \hline \end{array} \qquad \begin{array}{r} 132 \\ \times \quad 5 \\ \hline \\ \hline \end{array}$$

How many calculations have exactly <u>one</u> regroup?

Science Week 1

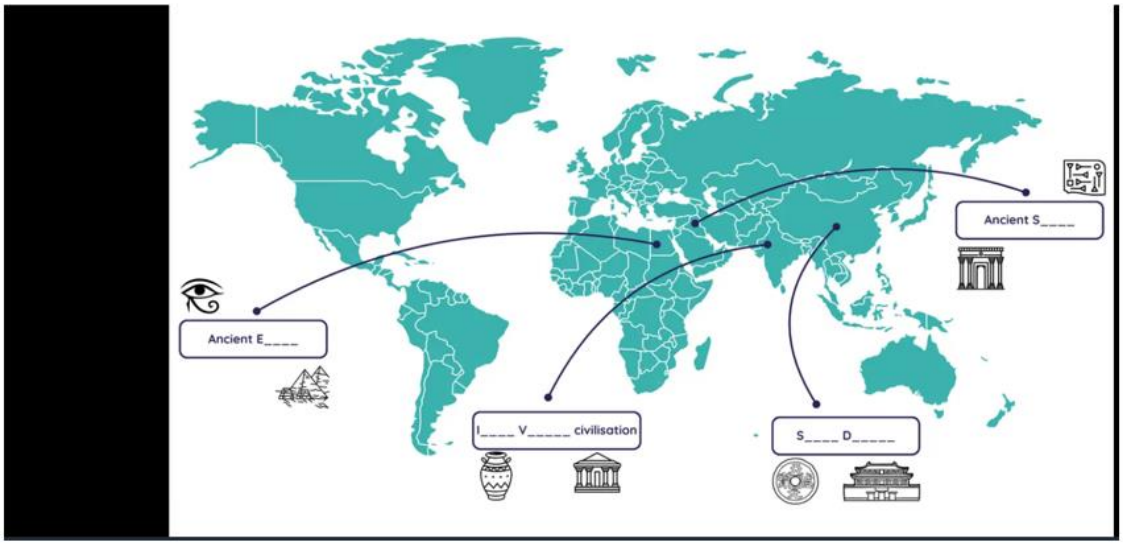
Investigate a microhabitat.

A **microhabitat** is a very small area within a larger habitat, like under a log or in a clump of grass.

What we saw (species)	Where we saw it (microhabitat)	How many we saw (abundance)	Type of invertebrate (classification)	What it looked like (description/drawing)
Ladybird	On a bush	4	Insect	 Red body with black spots, 6 legs.

History: Week 1

Can you remember the names of the first ancient civilisations?



Ancient Egypt

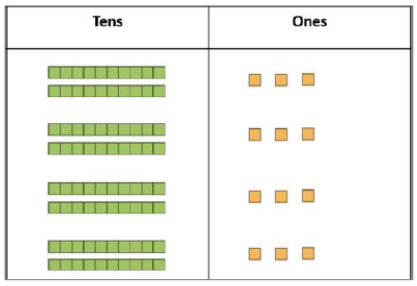
Ancient Sumer

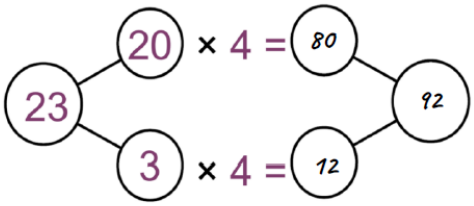
Shang Dynasty

Indus Valley civilisation

Math Week 2

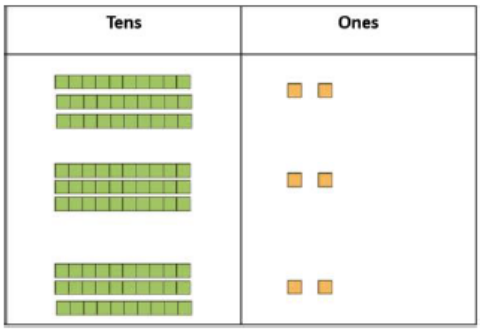
WORKED EXAMPLE

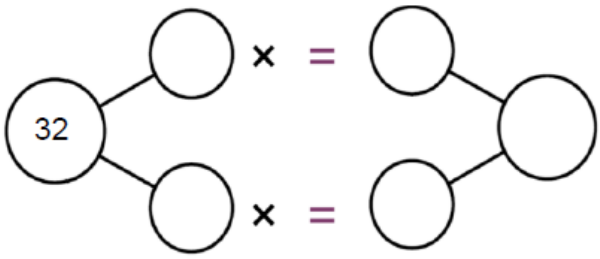




I have noticed that *there are 4 groups of 2 tens and 3 ones. That is 4 groups of 23.*
I can calculate *23 x 4 by regrouping the 23 into 20 and 3. 20 x 4 added to 3 x 4 = 23 x 4*
I know that *4 groups of 3 ones is 12 ones.*
I know that *4 groups of 2 tens is 8 tens. 8 tens is equal to 80.*
I know that *4 groups of 23 is 80 + 12 = 92.*

Complete the regrouping diagram and speaking frame to match the model.

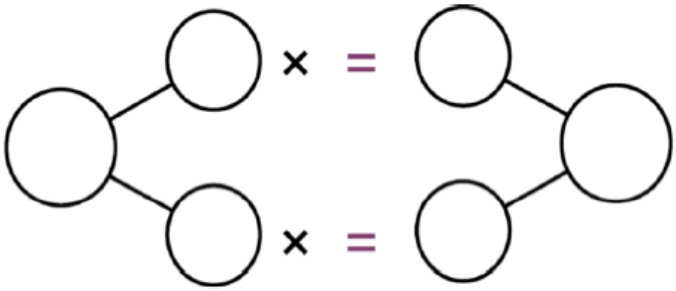




____ *groups of* ____ *ones is* ____ *ones.*
____ *groups of* ____ *tens is* ____ *tens.*
____ *tens is equal to* ____.

3 groups of 32 is ____ + ____ = ____.

Complete the regrouping diagram to match the calculation: 27 x 3

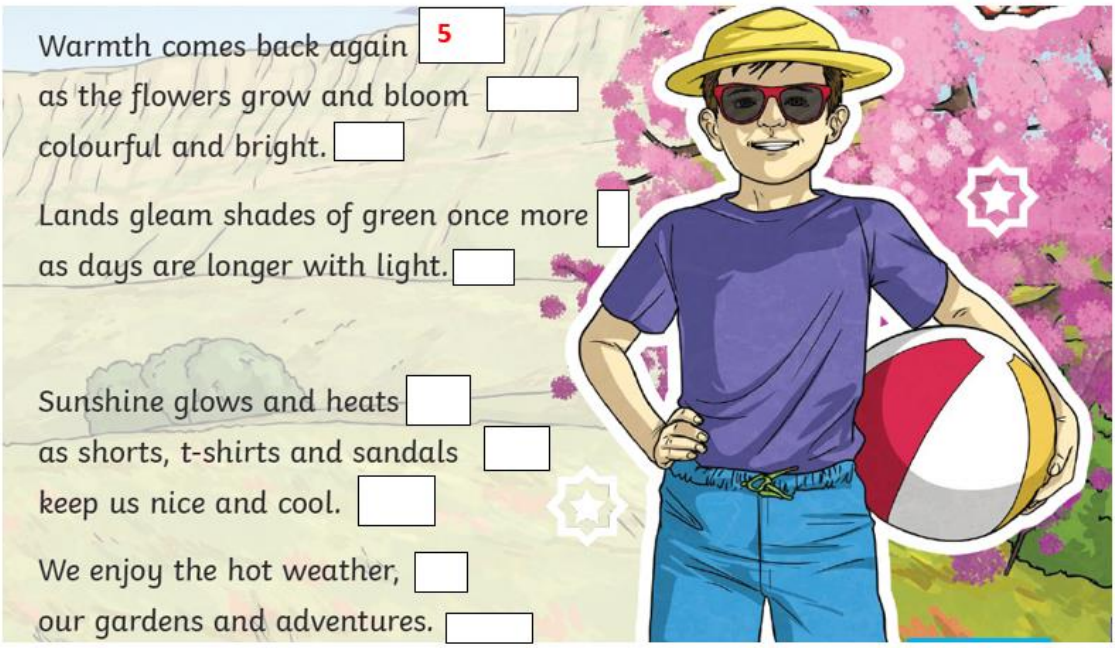


____ *groups of* ____ *ones is* ____ *ones.*
____ *groups of* ____ *tens is* ____ *tens.*
____ *tens is equal to* ____.
____ *groups of* ____ *is* ____ + ____ = ____.

English: Week 2

Poetry: Renga

How many syllables are in each line?



Science Week 2

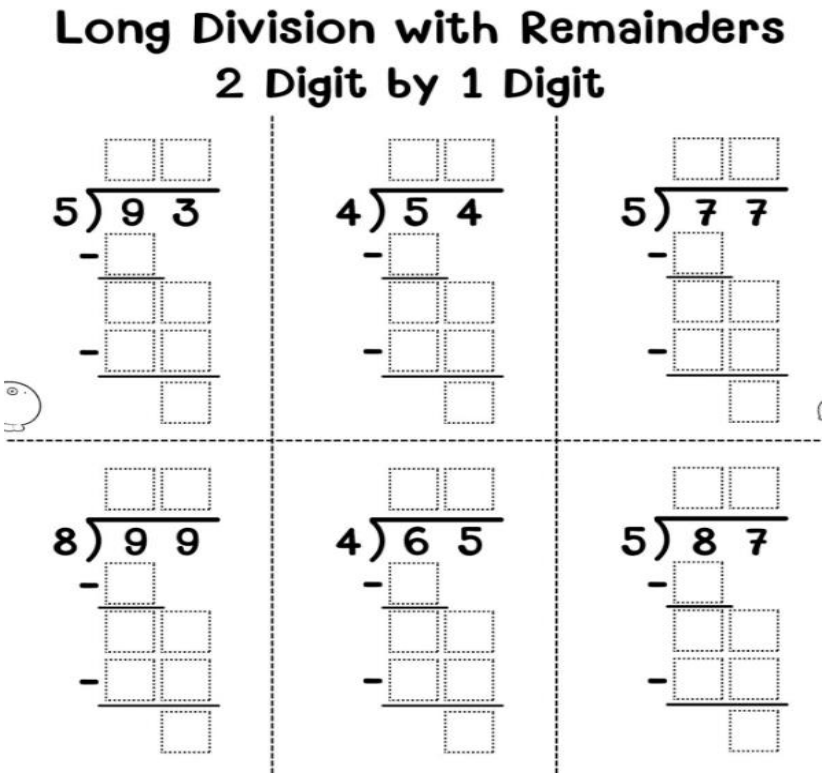
	Living things you will find	Climate and conditions

History: Week 2

flooding crops cycle fertile soil harvest

v	i	a	p	i	m	r	b	j	s	s	v
q	j	k	d	b	m	p	x	o	e	m	j
f	e	r	t	i	l	e		s	o	i	l
q	t	s	e	v	r	a	h	m	w	f	r
e	j	e	b	u	h	j	y	l	j	s	k
o	g	g	s	n	t	l	q	p	u	p	r
m	h	p	n	l	r	l	e	x	g	o	a
h	u	g	n	i	d	o	o	l	f	r	y
m	z	a	r	g	h	o	k	s	r	c	h
q	c	y	c	l	e	u	c	d	i	x	g
k	l	a	z	x	z	g	f	v	l	i	d
j	o	s	v	t	d	g	v	c	k	x	o

Math Week 3



English: Week 3

Onomatopoeia Missing Word Sentences

Onomatopoeia is a word that is spelt as it sounds. Can you complete the sentences below with the correct words?

1. When a cow is hungry, she goes _____ .
2. The dropped egg went _____ .
3. The girl went _____ on the drum.
4. _____ went the coins as they dropped into the piggy bank.
5. When I jump into the swimming pool, the water goes _____ .
6. A police car went _____ as it passed the busy street.
7. The bed went _____ as I bounced on it.
8. Mrs June's bell made a _____ sound.
9. _____ went Sanjeep's drink as he reached the bottom of the cup.
10. The balloon went _____ as the children stood on it.

word box				
moo	crack	bam	kerplunk	splash
woo woo	boing	ding ding	slurp	pop

Science Week 3

Animal Classification Key

Read and answer each question in turn to decide which minibeast to stick in each box.

Has this minibeast got wings?

Yes

Has it got a furry body?

Yes

No

No

Has it got legs?

Yes

Has it got 8 legs?

Yes

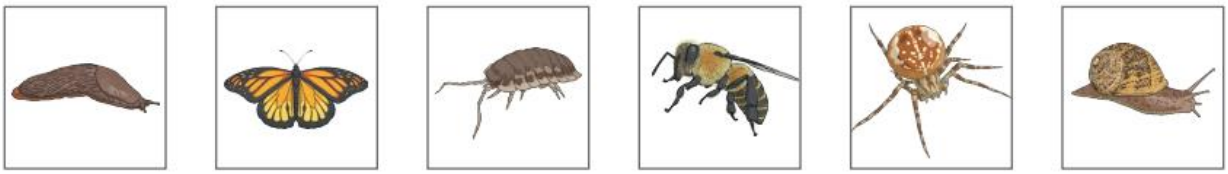
No

No

Has it got a shell?

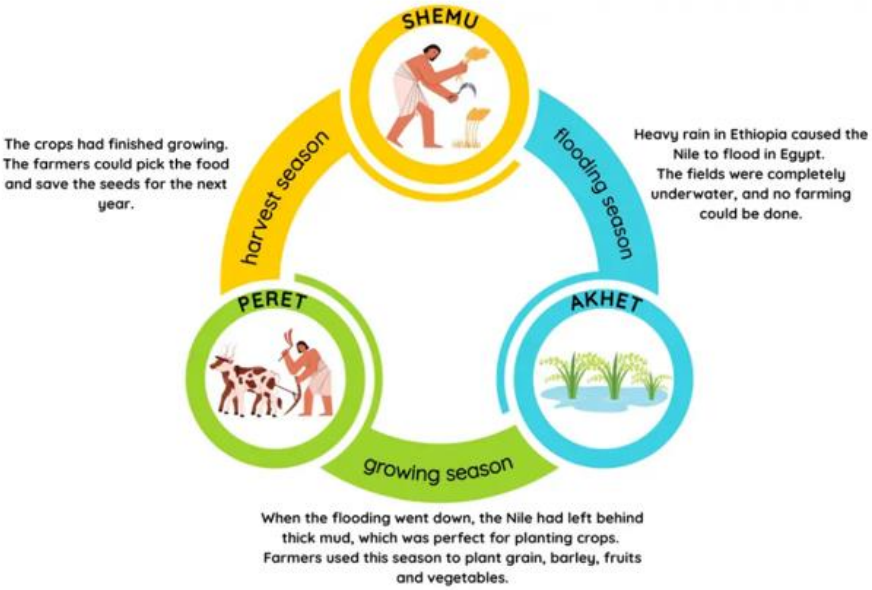
Yes

No



History: Week 3

Ancient Egyptians had three seasons, based on the Nile's movements. These were the flooding the growing season, and the harvest to pick crops when they are ready to eat.



Math Week 4

Short Division of 3-Digit Numbers

Complete the calculations.

1)

3	4	2	9

2)

4	5	6	0

3)

5	6	1	5

4)

4	7	6	4

5)

3	2	8	8

6)

5	6	7	0

7)

2	4	8	8

8)

4	9	2	0

9)

4	3	1	2

Challenge

10) Chocolate biscuits come in packs of 3. Plain biscuits come in packs of 4. There are 135 chocolate biscuits and 144 plain biscuits. How many packets of biscuits are there altogether?

11) Which calculation is the odd one out?
Explain your reasoning.

A 255 ÷ 3

B 224 ÷ 4

C 444 ÷ 4

12) What mistake has been made?

Explain your reasoning and give the correct answer.

	1	7	1
3	5	1 2	5

13) Complete the calculation by filling in the missing numbers.

	1	□	1
4	□	2	□

English: Week 4

Add **a prepositional phrase** to each sentence to make it more specific.

through the air	on their tails	in the lake
at the national park	at the library	on high cliffs

1. We saw eagles.

_____

2. The eagles had white feathers.

_____

3. They glided.

_____

4. The eagles built nests.

_____

5. The eagles hunted fish.

_____

6. We will study eagles.

_____

History: Week 4

The Ancient Egyptians didn't just use the Nile to grow their crops. What other uses did they have for it?

Choose 4 answers

- making papyrus
- swimming with crocodiles
- fishing
- paddleboarding
- using ships to transport people and things
- making mud bricks

Science Week 4

Animal Fact File

Name:

Picture

Description:

Habitat:

Diet:

Other interesting facts:

English: Week 5

Comprehension

All About Malala

Malala's Magic Pencil

Name: Malala Yousafzai

Date of Birth: 12th July 1997

Place of Birth: Mingora, Swat Valley, North Pakistan

Malala is famous for standing up for equal rights in education. This means that she believes that all children, regardless of their gender should be able to learn.

Malala began writing about her difficult times in the Swat Valley in an Internet blog.

After suffering an injury while travelling home from school, many people around the world became interested in her story and she gained lots of supporters.

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Did You Know...?

Malala was the youngest person ever to receive the Nobel Peace Prize. She was 17 years old.

Quick Questions

Malala's Magic Pencil

1. Which award did Malala receive when she was 17 years old? Tick one.

- ○ the Bravery Award
- ○ the Nobel Peace Prize
- ○ the Education Prize
- ○ the Equal Rights Trophy

2. Find and copy a phrase from the text that means 'when all people are treated the same'.

_____

3. Fill in the missing words.

Malala began writing about her _____ times in the Swat Valley in an Internet _____.

4. Why do you think that Malala won the Nobel Peace Prize?

_____

_____

_____

Math Week 5

WORKED EXAMPLE

All three clocks should say the same time. What is the missing time?

12-hour Digital Clock	Analogue Clock	24-hour Digital Clock
8:20		_ _:_ _

I have noticed that *on the analogue clock, the hour hand is just past 8. The minute hand has moved 20 minutes past the hour so it is 20 past 8.*

I know that *p.m. means after midday and before midnight so the 12-hour clock shows 20 past 8 in the evening.*

I can work out that *the time on the 24-hour clock must be 20:20 because 12 hours have passed from midnight to midday and then another 8 hours 20 minutes until 20 past 8 in the evening.*

What would be the time on all three clocks?

The time here is ten to nine in the morning

: |  | _ _:_ _

The time here is eight minutes past five in the afternoon

_ _:_ _ | : | 

_ _:_ _ |  | 10:56 p.m.

Science Week 5

Draw and write information about each of the plants

Marsh marigold

Yellow flag iris

Water moss

History: Week 5

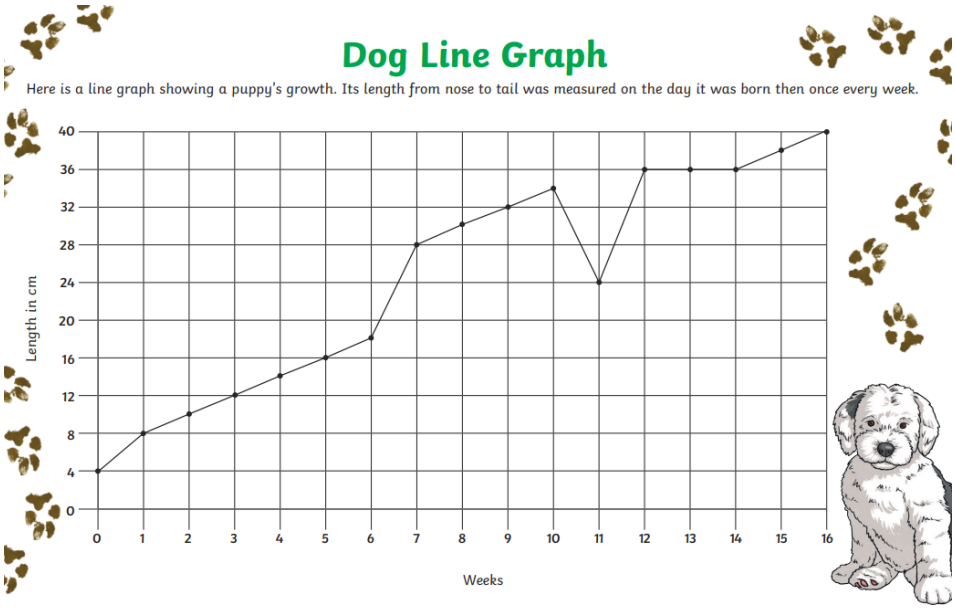
Use the decoding key to decode the name of the Egyptian god. Write five other names using hieroglyphics and get someone to decode it.

Decoded name:

_____

was the inventor of writing and hieroglyphs.

Math Week 6



Dog Line Graph

1. How many weeks did the puppy take to grow to 28cm?

   _____

2. What is the difference in the puppy's length between week 6 and week 10?

   _____

3. What is the length of the puppy on these weeks?

   Week 1 _____

   Week 5 _____

   Week 16 _____

4. Which week did the person measuring the puppy make a mistake? How do you know?

   _____

   _____

   _____

   _____