

Year 2 Reading and Writing

Children learn how to read through learning phonetic sounds. These sounds are split into 3 groups. Children begin by learning set 1 and once they are confident, they progress onto learning set 2 then 3. In your pack, you will find a list of all of the sounds and the rhymes which go with them.

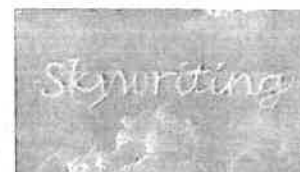
Repetition is the best way for children to learn these sounds. Every morning we recommend you go through these sounds with our child. Below are some videos which tell you how to pronounce each sound. You could watch one of the videos then mute it for the second time to see if your child can read the sounds independently.

- Set 1 sounds: <https://www.youtube.com/watch?v=s6OiU2h3sUI>
- Set 2 sounds: <https://www.youtube.com/watch?v=p7hRbrpq5Bo&t=17s>
- Set 3 sounds: <https://www.youtube.com/watch?v=37p6V1gWTiU>

Set 1 Sounds	Set 2 Sounds	Set 3 Sounds

Included in your learning pack...

- Reading support
 - Library and reading books. In most reading books, there are questions at the back. Ask your child these questions to improve their comprehension skills.
 - Red words: these are words you cannot sound out so must be learnt by sight.
 - Short texts for your child to read then answer the set of questions about the text.
- Handwriting support
 - Handwriting practice sheets with high frequency words.
 - Rhymes to support your child's letter formation.
- Creative writing
 - Inspirational sheets with interesting questions on to engage your child's creativity and encourage them to write.
 - If your child needs more to space to write, please write in the exercise book we have provided.















Fun websites

- Phonics Play. Username: *march20* Password: *home* <https://www.phonicsplay.co.uk/>
- Teach your monster to read. You can set up your own personal login for free. <https://www.teachyourmonstertoread.com/>
- Letter formation sky writing: <http://www.ictgames.com/mobilePage/skyWriter/index.html>
- Find more phonics games here: <https://www.topmarks.co.uk/english-games/5-7-years/letters-and-sounds>

Read Write Inc Phonics

SET 1		SET 2		SET 3	
Sound	Rhyme	Sound	Rhyme	Sound	Rhyme
m	Down Maisie then over the two mountains. Maisie, mountain, mountain.	ay	May I Play?	ea	Cup of tea
a	Round the apple, down the leaf.	ee	What can you see?	oi	Spoil the boy
s	Slide around the snake	igh	Fly high	a-e	Make a cake
d	Round the dinosaur's back, up his neck and down to his feet.	ow	Blow the snow	i-e	Nice smile
t	Down the tower, across the tower.	oo	Poo at the zoo	o-e	Phone home
i	Down the insects body, dot for the head.	oo	Look at a book	u-e	Huge brute
n	Down Nobby and over the net.	ar	Start the car	aw	Yawn at dawn
p	Down the plait, up and over the pirates face.	or	Shut the door	are	Care and share
g	Round the girls face, down her hair and give her a curl.	air	That's not fair	ur	Nurse with a purse
o	All around the orange.	ir	Whirl and twirl	er	A better letter
c	Curl around the caterpillar.	ou	Shout it out	ow	Brown cow
k	Down the kangaroo's body, tail and leg.	oy	Toy for a boy	ai	Snail in the rain
u	Down and under the umbrella, up to the top and down to the puddle.			oa	Goat in a boat
b	Down the laces, over the toe and touch the heel.			ew	Chew and stew
f	Down the stem and draw the leaves.			ire	Fire fire
e	Slice into the egg, go over the top, then under the egg.			ear	Hear with your ear
l	Down the long leg.			ure	Sure it's pure
h	Down the horse's head to the hooves and over his back.				
sh	Slither down the snake, then down the horse's head to the hooves and over his back.				
r	Down the robot's back, then up and curl.				
j	Down his body, curl and dot.				
v	Down a wing, up a wing.				
y	Down a horn, up a horn and under the yak's head.				
w	Down, up, down, up the worm.				
th	Down the tower, across the tower, then down the horse's head to the hooves and over his back				
z	Zig-zag-zig, down the zip.				
ch	Curl around the caterpillar, then down the horse's head to the hooves and over his back.				
qu	Round the queen's head, up to her crown, down her hair and curl.				
x	Cross down the arm and leg and cross the other way.				
ng	A thing on a string.				
nk	I think I stink.				






Rhymes for letter formation - taken from Read Write Inc.

<p>a</p>  <p>Around the apple and down the leaf.</p>	<p>b</p>  <p>Down the laces to the heel and around the toe.</p>	<p>c</p>  <p>Curl around the caterpillar.</p>	<p>d</p>  <p>Around the dinosaurs bottom, up his tall neck & down to his toes.</p>	<p>e</p>  <p>Lift off the top and scoop out the egg.</p>	<p>f</p>  <p>Down the stem and draw the leaves.</p>
<p>g</p>  <p>Around the girls face, down her hair and give her a curl.</p>	<p>h</p>  <p>Down the head, to his hooves and over his back.</p>	<p>i</p>  <p>Down the body and dot for the head.</p>	<p>j</p>  <p>Down his body, curl, dot for his head.</p>	<p>k</p>  <p>Down the kangaroo's body tail and leg.</p>	<p>l</p>  <p>Down the long leg.</p>
<p>m</p>  <p>Down Maisie, mountain, mountain.</p>	<p>n</p>  <p>Down Nobby and over his net.</p>	<p>o</p>  <p>All around the orange.</p>	<p>p</p>  <p>Down the pirates plait and around his face.</p>	<p>qu</p>  <p>Round her head, up past her earring, down her hair, and flick.</p>	<p>r</p>  <p>Down the robots back and curl over his arm.</p>
<p>s</p>  <p>Slither down the snake.</p>	<p>t</p>  <p>Down the tower, across the tower.</p>	<p>u</p>  <p>Down and under, up to the top and draw the puddle.</p>	<p>v</p>  <p>Down a wing, up a wing.</p>	<p>w</p>  <p>Down, up, down, up.</p>	<p>x</p>  <p>Down the arm and leg, repeat the other side.</p>
<p>y</p>  <p>Down a horn, up a horn and under head.</p>	<p>z</p>  <p>Zig-zag-zig.</p>				

Speed Sounds Set 2

ay  may I play?	ee  what can you see?	igh  fly high	ow  blow the snow	oo  poo at the zoo
oo  look at a book	ar  start the car	or  shut the door	air  that's not fair	ir  whirl and twirl

Speed Sounds Set 3

ea  cup of tea	oi  spoil the boy	ou  shout it out.	oy  toy for a boy
ā-e  make a cake	ī-e  nice smile	ō-e  phone home	ū-e  huge brute
aw  yawn at dawn	are  care and share	ur  nurse with a purse	er  a better letter
ow  brown cow	ai  snail in the rain	oa  goat in a boat	ew  chew the stew
ire  fire, fire!	ear  hear with your ear	ure  sure it's pure	

Red Words (Tricky Words)

Red for a while words These include graphemes that have not been taught by the time they are needed in the reading books. As soon as the grapheme has been taught, each of these turn into a green word! Practise these so they can read them by sight (not blending). You could cut them out to use for games (laminating might be useful).

he	me	we
she	be	no
so	go	old
her	saw	my
by	why	now
how	down	over
school		

Other Red Words:

I	the	you
your	said	was
are	of	want
they	to	do
does	all	call

tall	small	any
many	anyone	some
come	watch	who
where	there	here
were	brother	other
mother	father	love
above	two	once
buy	worse	walk
talk	caught	bought
thought	through	wear
whole	could	would
should	great	son
water		

Firey Dragon Jelly

Did you know that dragons love to eat jelly?

You Will Need:

17 • two packets of red jelly;

19 • hot water;

22 • nine hot chillies;

24 • hot sauce.

Method:

37 1. Break up the cubes of jelly and place them into a

38 bowl.

46 2. Add hot water to the jelly cubes.

54 3. Quickly, mix until the liquid is smooth.

62 4. Chop up the chillies into small pieces.

70 5. Mix the chillies into the jelly liquid.

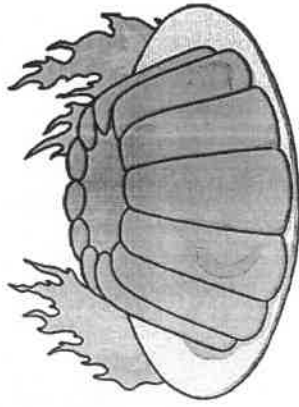
79 6. Carefully, pour the jelly liquid into a mould.

88 7. Pop the mixture into the fridge to set.

100 8. To serve, pour hot sauce over the top of the jelly.

112 **Do not make this jelly for your party. It is only a**

116 **tasty snack for dragons!**



Quick Questions

1. How many hot chillies do you need to add to the jelly?



2. Why is the word 'carefully' used when pouring the jelly liquid?



3. Why do you think that dragons like chillies and hot sauce with their jelly?



4. Using 20 words or fewer, sum up why you should not make this jelly for your party.

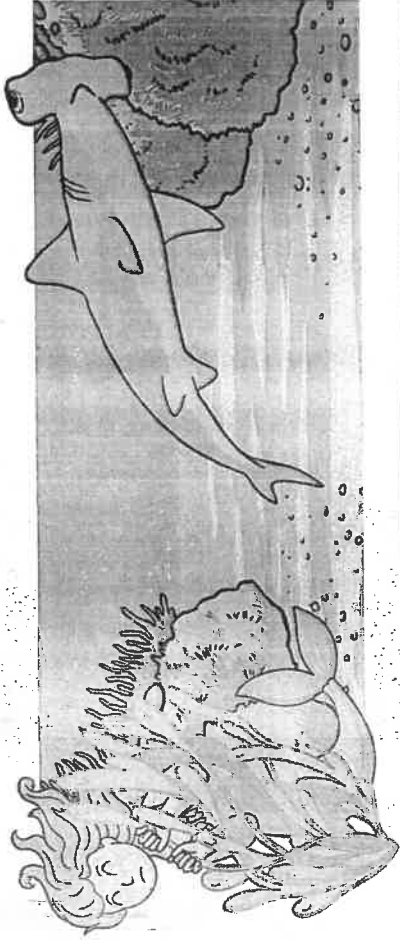


Diary of a Mermaid

Dear Diary

Friday 12th June

Today was the first day of summer. I woke up early to see the bright, beautiful sunshine. Mother asked me to visit my grandma on the other side of the bay. On the way, I swam very quietly past the creepy shipwreck where the grumpy, old shark lives. I didn't want to wake him because I have heard that he is very snappy! I also collected some beautiful shells to cheer up Grandma. At Grandma's house, she looked very poorly but the shells cheered her up. On the way home, I sung a happy tune that Grandma had taught me. Unfortunately, I forgot to swim quietly past the spooky shipwreck...



Quick Questions



1. Who did the mermaid go to visit?



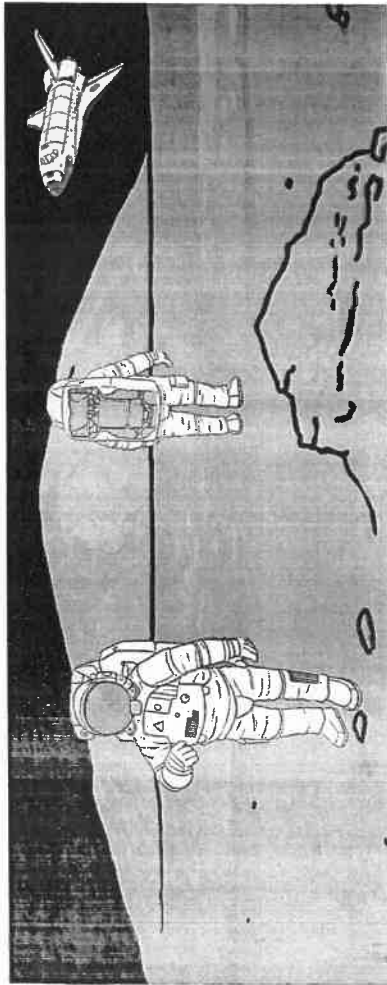
2. Find and copy the expanded noun phrase used to describe the sunshine.



3. Explain why the mermaid swam quietly past the creepy shipwreck.



4. What do you think might happen next?



Marvellous Moon Tours

Have you ever dreamt about riding in a rocket and flying to the Moon?

Well, Marvellous Moon Tours could now make your dreams come true! For the tiny price of thirteen thousand pounds, you can book your place on a shuttle and become a real-life astronaut!

Before your space trip, you will need to take part in an exciting week of astronaut training. Then, it is time to fasten your seatbelts for your once in a lifetime journey into outer space!

Look at our website and book your space holiday today!



Quick Questions



1. Why do you think that the advert starts with a question?



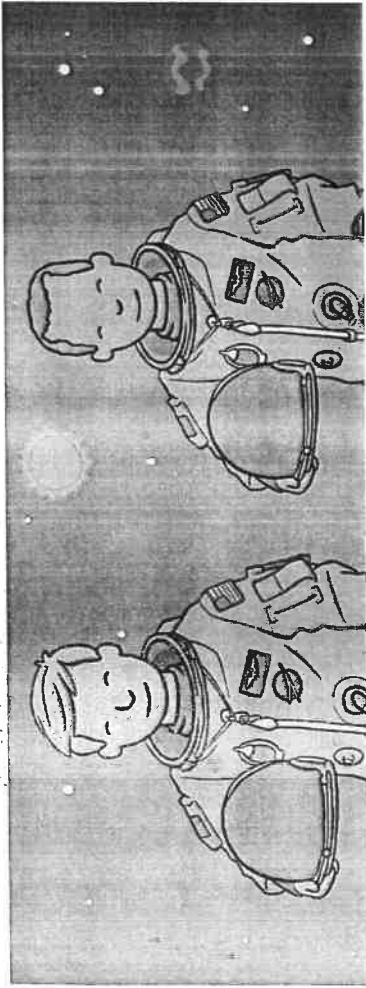
2. How much does a Moon tour cost?



3. Why do people who book a Moon tour have to do a week of training?



4. Would you like to book a Moon tour?



A Space Adventure!

One day, Jacob and Oscar had a wonderful space adventure! They climbed into their rocket and shot off up into space. Jacob wanted to see aliens and monsters. Oscar wanted to discover a new planet.

After a bumpy journey, they landed on a rocky, purple planet and they climbed out to start to explore. Suddenly, Oscar saw some funny-looking footsteps. Being very brave, the boys decided to follow them. They walked and walked until they noticed something green and furry behind a huge space rock. What could it be?

Slowly, they walked up to take a peek...



Quick Questions

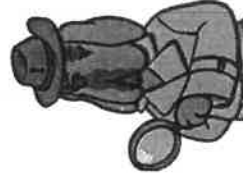
1. What did Jacob hope to see in space?



2. Which adjective has the author used to show that the boys didn't have an easy trip into space?



Why were the boys '*being very brave*'?



3. What do you think happened next?



First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

his

some

looked

people

make

but

so

very

your

an

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

for

be

it's

got

asked

at

like

see

their

saw

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

she

have

big

oh

here

is

went

when

about

off

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

they

out

down

now

Mrs

on

this

dad

came

called

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

was

what

do

get

if

you

there

me

just

help

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

of

my

one

him

time

it

her

them

Mr

I'm

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

he

up

no

from

day

I

had

mum

children

made

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

said

can

little

into

too

in

are

as

back

by

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

a

all

were

come

house

to

we

go

will

old

First 100 High Frequency Words Handwriting

Practise your weekly spelling words using precursive handwriting.

the

that

not

look

put

and

with

then

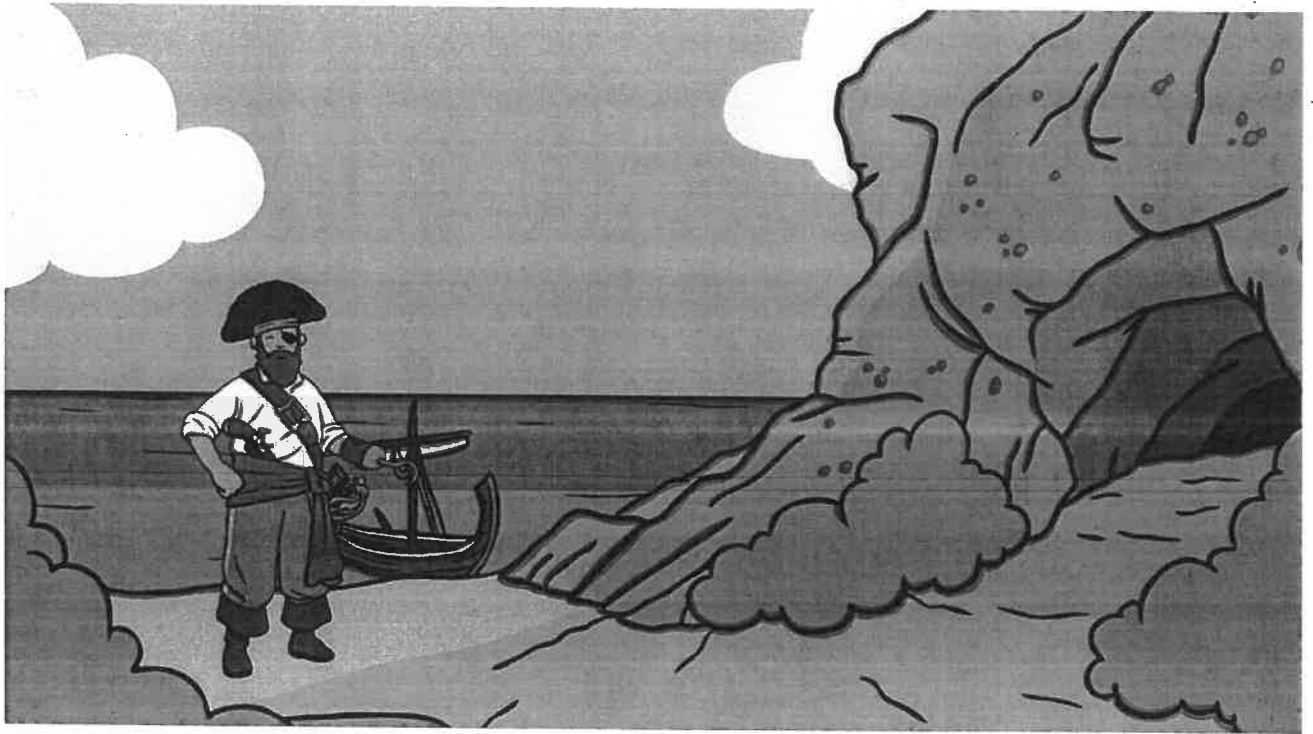
don't

could

After a storm, Rashmi found an old bottle washed up on the beach. Inside it, there was a note that said...



**How did this pirate get stuck
on a deserted island?**



**If you could go anywhere, where
would you go and why?**



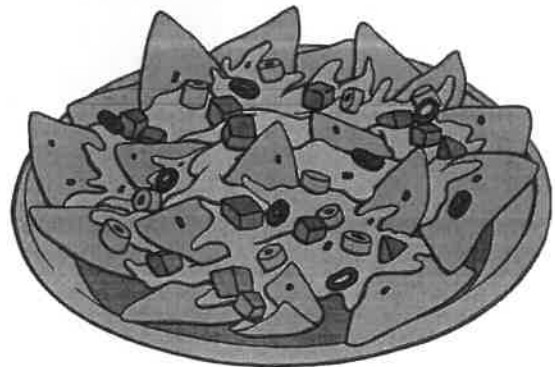
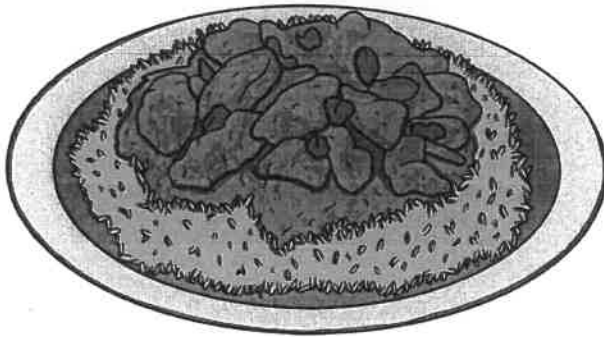
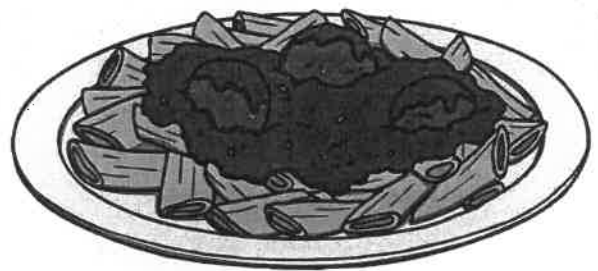
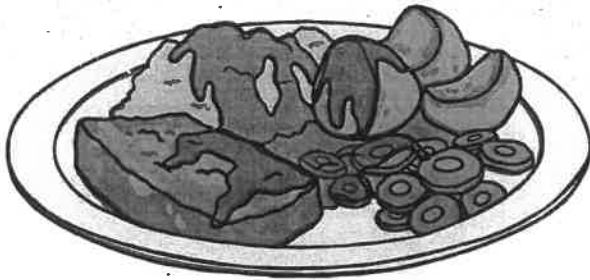
**If you could have any fantasy pet,
what would it be and why?**



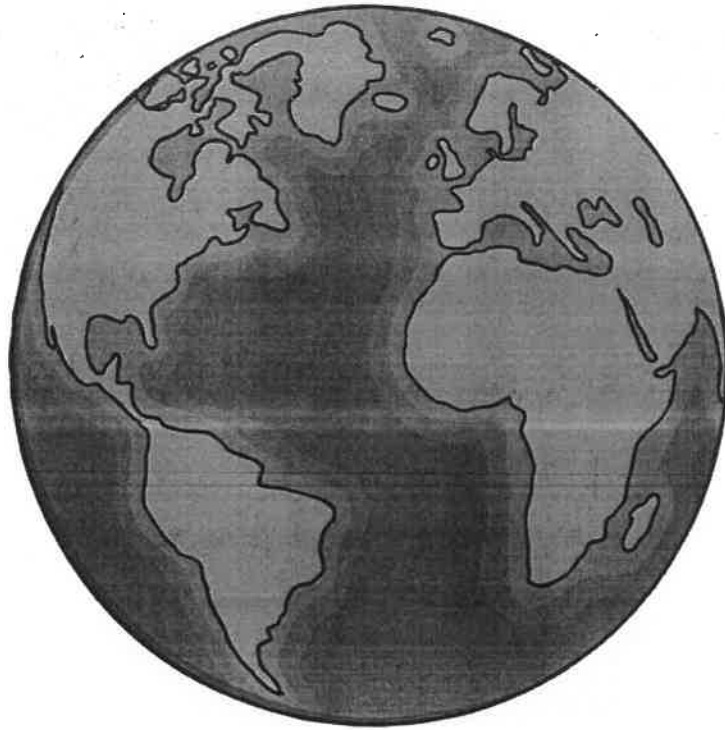
**If you could meet anyone, who
would it be and why?**



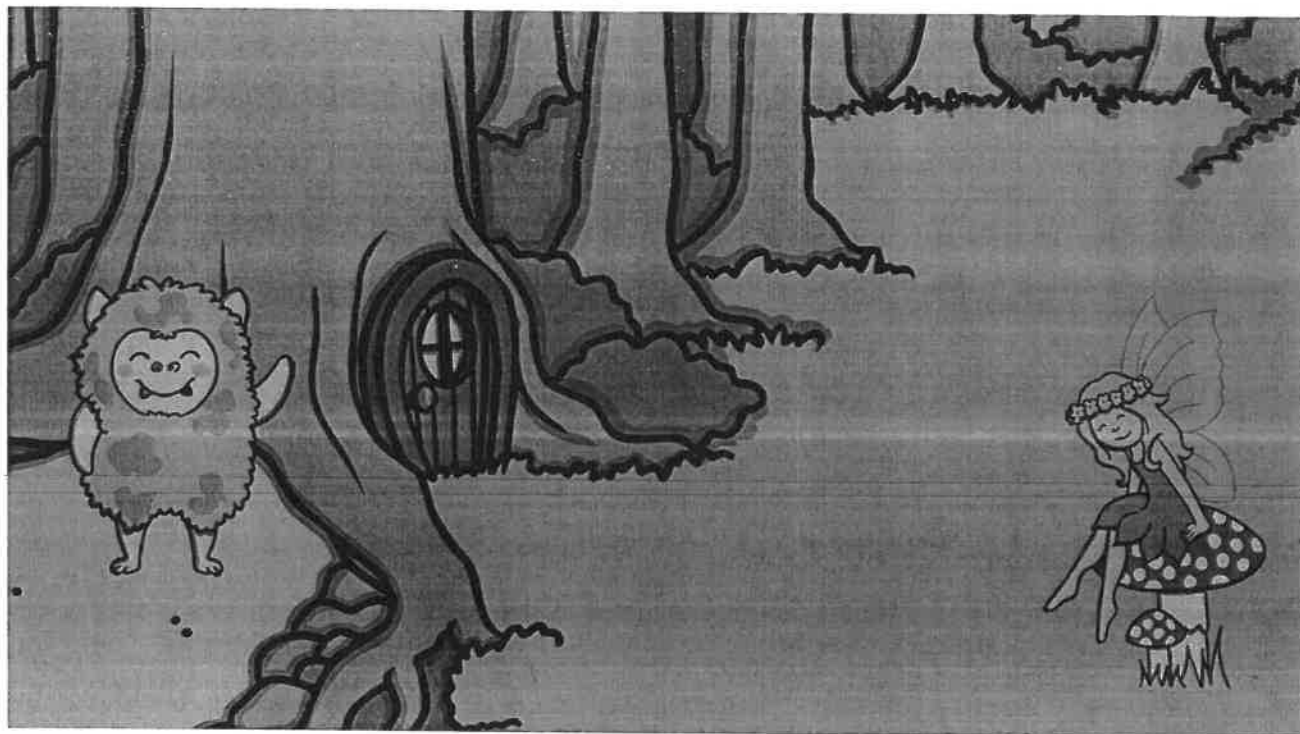
If you had to eat one meal for the rest of your life, what would it be and why would you choose it?



**What invention do you think
would change the world?**



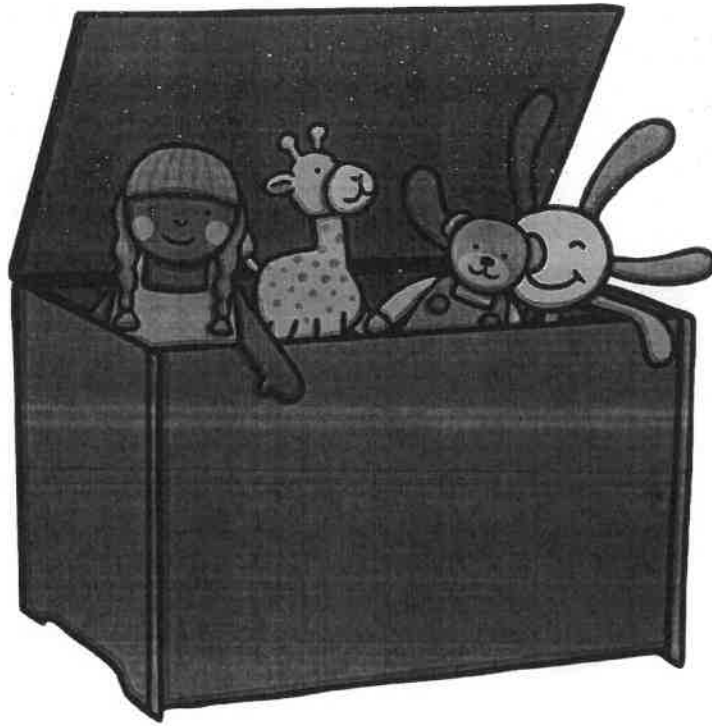
What would happen if you woke up in a different world?



**What would you do if you
had a pet dragon?**



**What would you do if your
favourite toy came to life?**

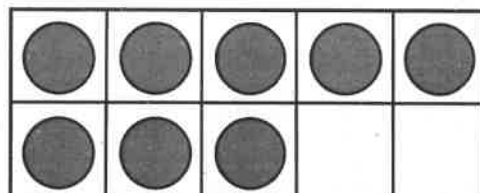


Maths

Below are some ideas to make maths fun at home. There is also a 100 square to support your child's counting. It is important to keep counting with your child. Practise counting in 2s, 5s and 10s when you're walking up the stairs, laying the table, eating crisps etc.

Tens frame

Make a ten frame by drawing a 5x2 grid on paper or making on the floor with tape or string. Collect ten objects. Add a number of objects to the ten frame. How many more objects do you need to make ten? E.g $7+3=10$.



Write it as a number sentence. You can reverse the process by removing objects e.g. $8-4=4$. You could add another 10s frame to practice number bonds to 20.

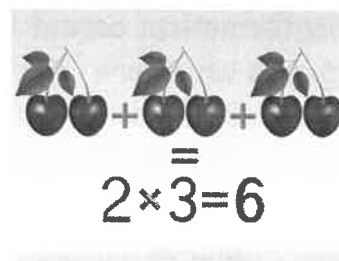


Subtraction smash!

Make your own playdough using flour, oil, water and salt. Use this to play 'subtraction splat' with balls of dough that you can splat to represent subtracting and then show this as a subtraction sentence. Can you draw your subtraction using dots or images? If you can't make dough, use toys or counters etc.

Number hunt

Can you write some multiplication and division problems with numbers missing? E.g. $4 \times ? = 8$. You could hide the missing numbers around the house and when your child finds them, they can match them to the correct sentence. Can they represent that calculation by drawing it with dots or sorting objects to show their working?

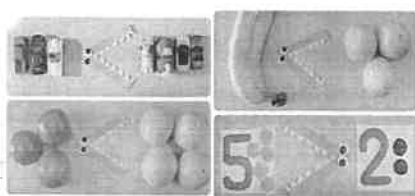
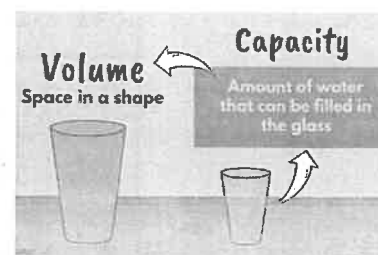


Adding

Hide little pots containing different quantities of buttons, beads, pieces of pasta, pebbles etc. Can you find two? Can you find the total quantity of the two pots? To make it easier, you could make piles of 10 then count in 10s. How many ones are left over? What number sentence could you write?

Volume

Collect different containers from around the house and fill them with different volumes. Which container do you think holds the most? How can you work out the answer? E.g use a scoop to count. Can you record the number of scoops of water each container needs?

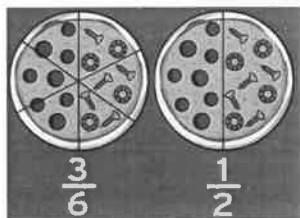
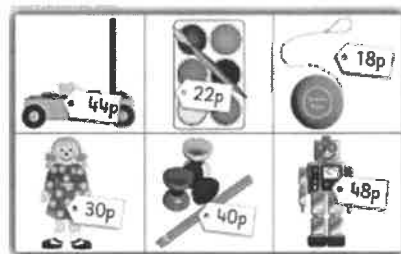


More or less?

Choose different objects round the house. Can you decide which pile has more or less? Use the $<$ $>$ symbols to show your thoughts.

Shops

Nominate one person to own a food shop, one person to own a toy shop. Enjoy making money labels for each food item/toy before going to each other's shops and purchasing different items. What will we need to do if the customer wants two items? What will happen if the customer gives too much money? How will you check you have enough money to pay for an item?



Pizza time!

Design your own pizzas using paper or wraps. Give different challenges e.g. 'there are 10 pepperoni slices. How many should be on $\frac{1}{2}$ of the pizza? Using scissors, cut the pizzas into halves, quarters and thirds. Can you show me 2 thirds?

Shape hunt

Go round the house and see which 2D or 3D shapes you can find. Categorise them correctly. Can you make the 3D shapes out of playdough?



Online maths games

Any of the games found on the websites below are great. We would suggest focusing on one mathematical aspect each day (counting, fractions, money, time, shapes etc) then choosing games which are related

- BBC maths videos <https://www.bbc.co.uk/bitesize/subjects/zjxhfg8>
- Top Marks <https://www.topmarks.co.uk/maths-games/5-7-years/>
- Oxford Owl <https://www.oxfordowl.co.uk/for-home/kids-activities/fun-maths-games-and-activities/>

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Year 2 Spring 2 Maths Activity Mat 1

Section 1

Circle true or false

$34 + 25 = 59$ True / False

$33 - 17 = 16$ True / False

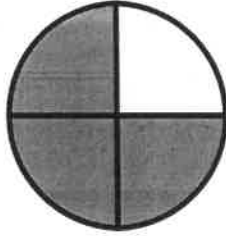
$7 \times 5 = 30$ True / False

Section 2

What shape has 4 sides?

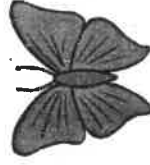
Section 3

What fraction is shaded?



Section 4

There are 31 butterflies and caterpillars. 19 of the insects are caterpillars. How many are butterflies?



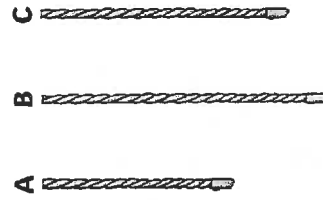
Section 5

What is the total of the coins?



Section 6

Which rope is the longest?



Section 7

Put these numbers in order, largest to smallest.

78, 123, 19, 56, 157

Section 8

 = 4  = 6  = 5

 x  =

Year 2 Spring 2 Maths Activity Mat 2

Section 1

	Tens	Ones
86 =		
93 =		
76 =		

Section 2

What unit of measurement would you use to measure how long a holiday lasts?

seconds m £
years days

Section 3

What is $\frac{1}{2}$ of 12?

Section 4

Fill in the next three numbers.

49, 47, 45, 43,

, ,

Section 5

Draw two lines of symmetry.



Section 6

Continue the pattern.

A, B, B, C, A, B, B,

,

Section 7

What would the time be one hour later?



Section 8

Use < or > to make the calculations correct.

$$46 \quad \square \quad 39$$

$$59 \quad \square \quad 72$$

$$5 \times 6 \quad \square \quad 70 - 45$$

Year 2 Spring 2 Maths Activity Mat 3

Section 1

$$26 + \boxed{} = 50$$

$$\boxed{} - 23 = 11$$

$$8 \times \boxed{} = 40$$

Section 2

What 3D shape has six identical faces?

Section 3

What is the previous day?

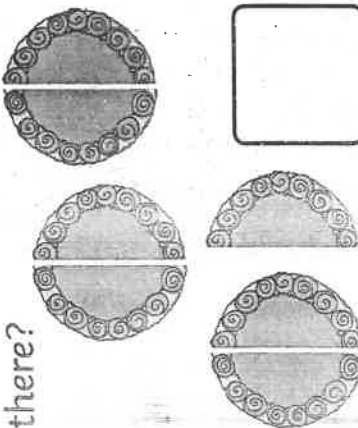
, Tuesday, Wednesday, Thursday

Section 4

Which three coins add up to 16p?

Section 5

How many halves are there?



Section 6

Use the correct unit of measure for time.

The plane journey to America lasted for seven

Section 7

Are the numbers below odd or even? Write O (odd) or E (even) for your answer.

$$57 = \boxed{}$$

$$82 = \boxed{}$$

$$61 = \boxed{}$$

Section 8

16 is less

than 32.

Year 2 Spring 2 Maths Activity Mat 4

Section 1

Harriet has £1. She buys a drink for 65p. How much change does she get?

Section 2

32 is more than 17.

Section 3

Which 2D shape has five corners?

Section 4

Underline the tens.

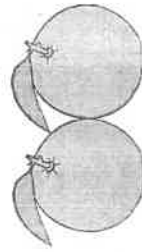
24

316

59

Section 5

If one orange weighs 40g, how much would two oranges weigh?



Section 6

What is $\frac{1}{2}$ of 14?

Section 7

What is the previous month?

, April,

May, June

Section 8

How long would two lines be?

Year 2 Spring 2 Maths Activity Mat 5

Section 1

$$\boxed{} + \boxed{} = 29$$

$$\boxed{} - \boxed{} = 29$$

Section 2

A = 2, B = 5, C = 10

$$A + B + C = \boxed{}$$

$$B \times C = \boxed{}$$

$$C \div A = \boxed{}$$

Section 3

Make the largest number you can using the number cards. Use each card once.

3

8

7

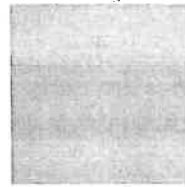
2

Section 4

A plane takes off at 11am and arrives four hours later. What time does it arrive?

Section 5

Draw four lines of symmetry.



Section 6

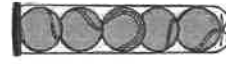
Underline the hundreds and circle the ones.

564 789

241

Section 7

If one tennis ball costs 12p, how much would five tennis balls cost?



Section 8

What unit of measurement would you use to measure the length of a dog?



Year 2 Spring 2 Maths Activity Mat 6

Section 1

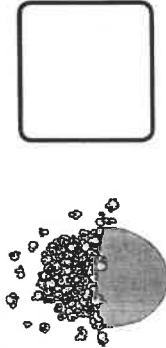
three days
before

Saturday

three
days after

Section 2

Cinema tickets cost
£3, popcorn costs 50p.
How much does three
tickets and two bags of
popcorn cost?



Section 3

Continue the pattern.



Section 4

$$37 - 18 = \square + \square$$

$$55 - 40 = \square + \square$$

Section 5

Complete this sentence.

Line A is cm

longer than Line B.

Line A

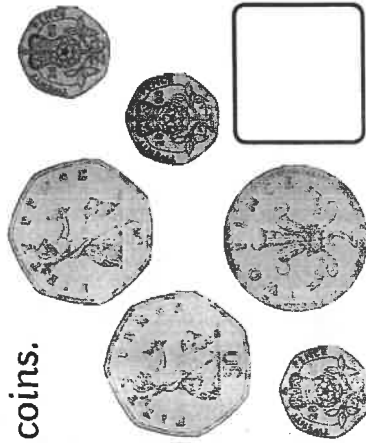


Line B



Section 6

Find the total of the
coins.



Section 7

Name a 3D that has
only triangular faces.

Section 8

Insert a number to make
these calculations correct.

$$68 < \square$$

$$71 > \square$$

$$\square > 34 + 19$$

Addition to 100

School Bus Ride

$70 + 30$

$88 + 11$

$46 + 50$

$50 + 22$

$55 + 13$

$13 + 42$

$27 + 43$

$63 + 17$

$18 + 43$

$24 + 55$

$33 + 44$

$64 + 26$

$35 + 25$

$52 + 12$

$22 + 67$

$56 + 20$

$30 + 14$

$35 + 30$

$25 + 25$

$24 + 46$

$50 + 40$

$85 + 15$

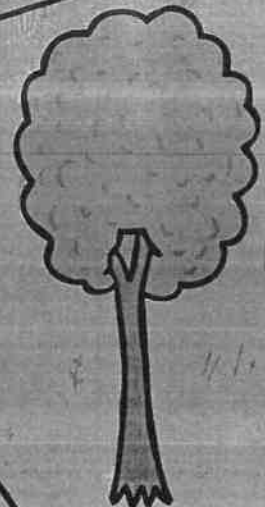
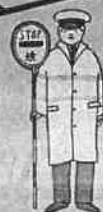
$65 + 31$

$20 + 55$

$55 + 45$

Finish!


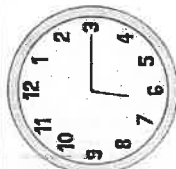






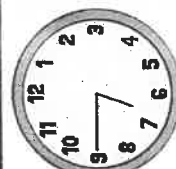











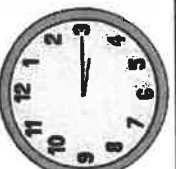


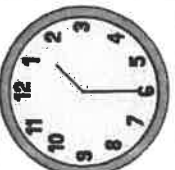


START



Telling the Time Board Game

What time is it?

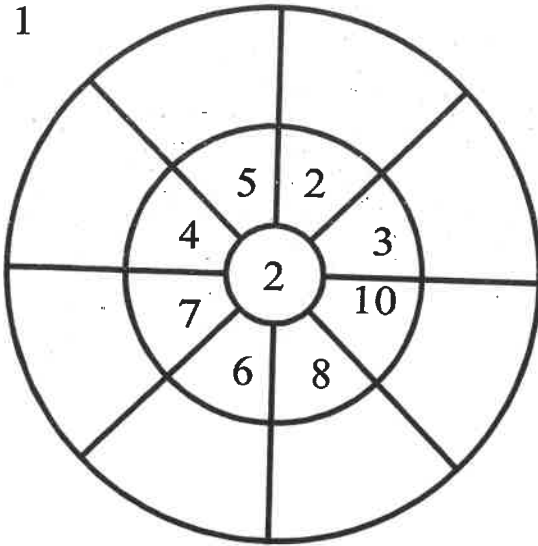
Roll a dice, move the number of spaces shown and read aloud the time shown on the clock. The first player to complete the board wins!

Start				Miss a turn		
Miss a turn					Miss a turn	
						Miss a turn
						
End				Miss a turn		

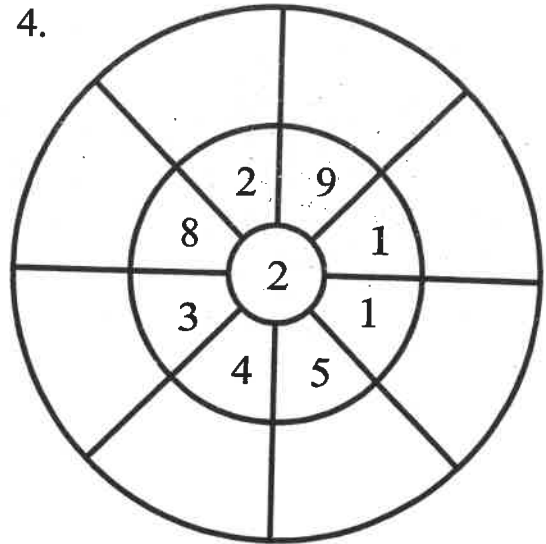
Multiplication Wheels

Multiply the number in the middle of the target by all the numbers next to it.
Remember to count in 2s, 5s and 10s.

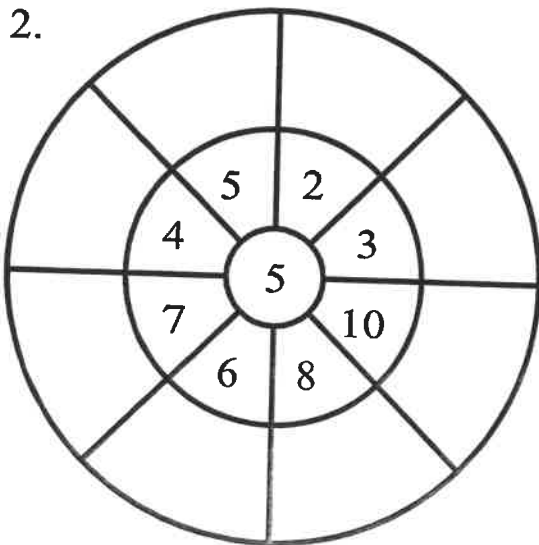
1.



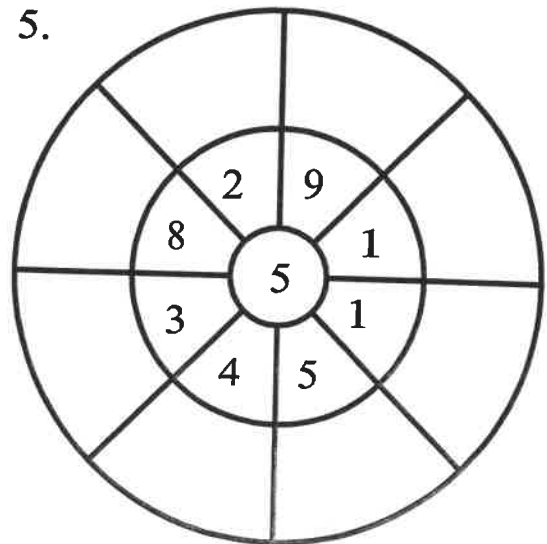
4.



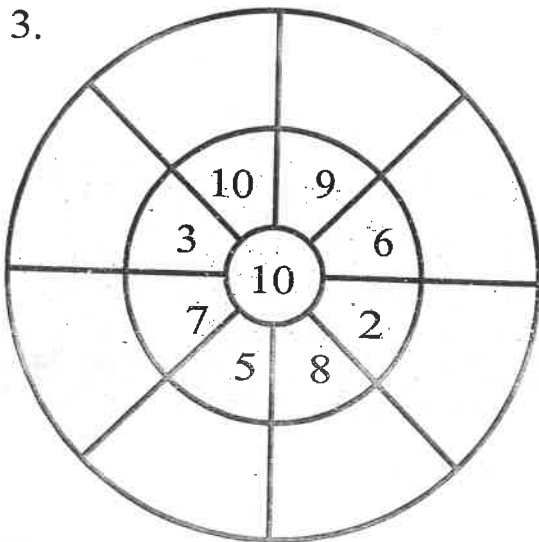
2.



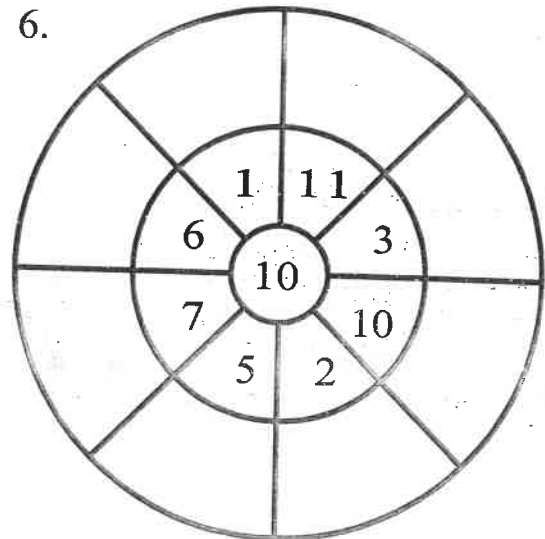
5.



3.



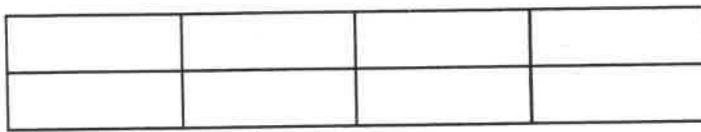
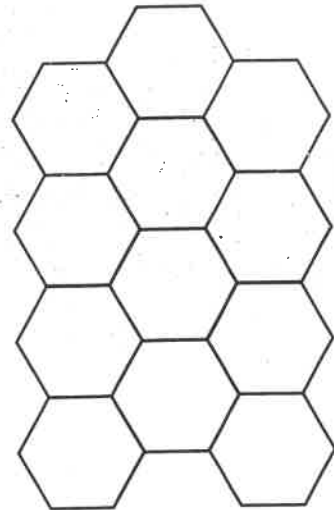
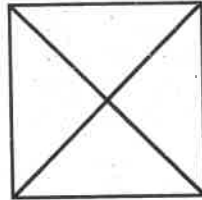
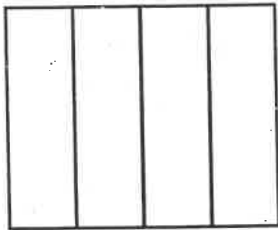
6.



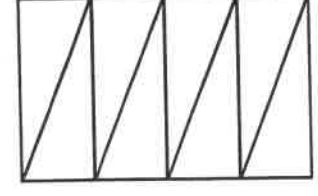
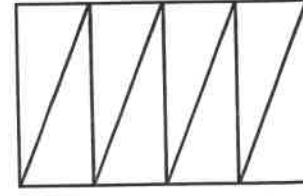
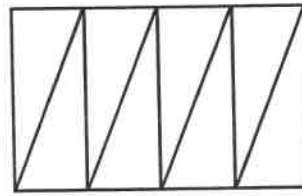
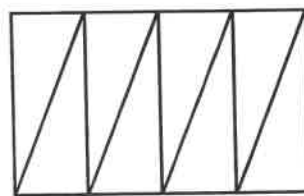
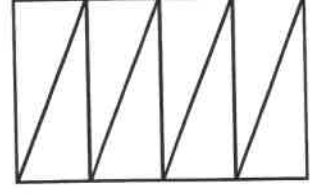
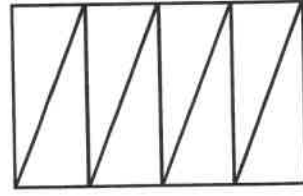
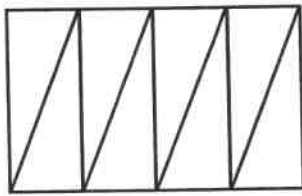
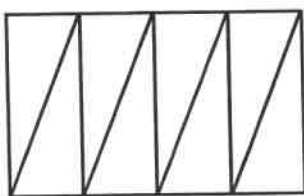


Shading Shapes

3. Shade $\frac{2}{4}$ of these shapes.



4. Find 8 different ways to colour $\frac{1}{4}$ of this shape.



5. How would you explain $\frac{1}{2}$ to someone?

How would you explain $\frac{1}{4}$ to someone?

How would you explain $\frac{2}{4}$ to someone?

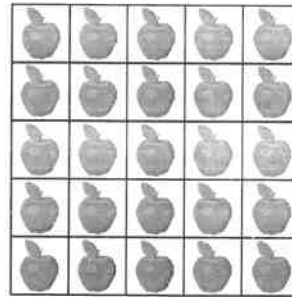
Maths Challenge

twinkl

Maths Challenge

★★★

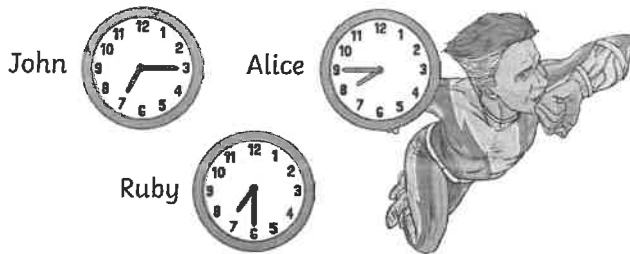
1. How many apples are there?



Maths Challenge

★★★

2. Below are the bedtimes of 3 friends. Who goes to bed the earliest?



Maths Challenge

★★★

3. Look at the following pattern:



What comes next?

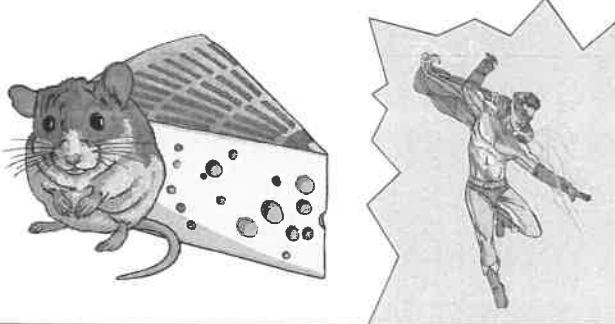
- a. Apple, Apple, Apple, Banana, Banana
- b. Apple, Apple, Banana, Banana
- c. Apple, Banana, Banana, Banana, Banana



Maths Challenge

★★★

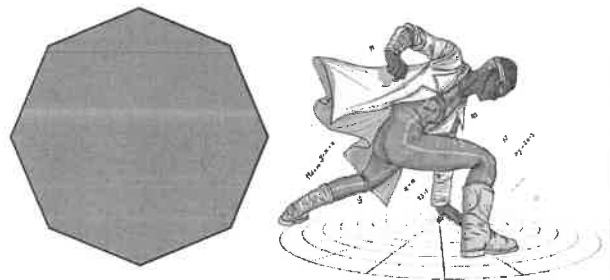
4. The mouse is _____ the cheese.
a) beside b) behind c) inside



Maths Challenge

★★★

5. How many vertices does this shape have?



Maths Challenge

★★★

6. Can you work out:

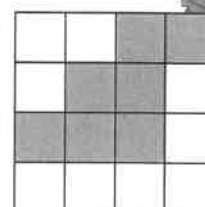
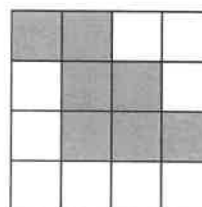
$$30 + 40$$



Maths Challenge

★★★

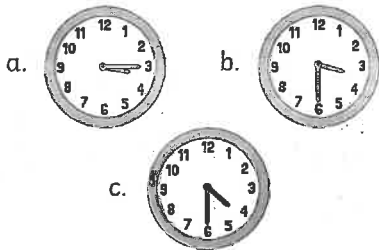
7. What has been done to this shape?
a) slip b) slide c) turn



Maths Challenge

★★★

8. Toby went to see a film. It started at 2:00 and finished 2 and a half hours later. What time did it finish?



Maths Challenge

★★★

9. Find the answer to:

$$3 \div 3$$



Maths Challenge

★★★

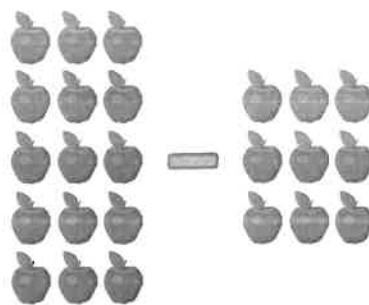
10. On what day of the week is the 18th day of the month?



Maths Challenge

★★★

11. Work out the following problem.



Maths Challenge


















★★★

12. Divide the buns into each basket equally. How many buns go in each basket?



Minibeast Recording Sheet

Complete the table as you find each minibeast.
Put a tick in the box where each minibeast was found.

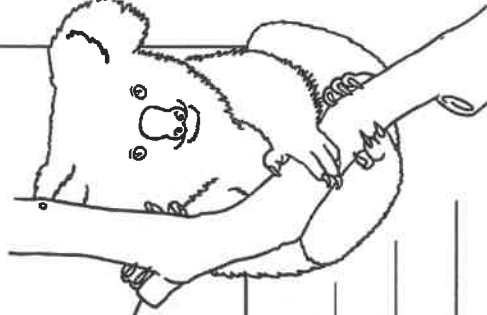
	 on bark	 on plants	 in the sky	 in the soil	 under rocks
dragon fly 					
snail 					
bee 					
crane fly 					
ant 					
butterfly 					
beetle 					
woodlouse 					
fly 					
worm 					
millipede 					
ladybird 					

Animals in Their Habitats

Write words or draw pictures to show how your chosen animal lives in its habitat.

<p>My animal eats:</p>	<p>My animal:</p>	<p>My animal protects itself by:</p>
<p>My animal's habitat:</p>		<p>If my animal's needs are not met:</p>

My _____ lives here because _____



Bend, Stretch and Squash

Some objects can be changed by bending, stretching, squashing or squeezing them. Can you find any objects made from each of these materials, which can be changed by bending, stretching, squashing or squeezing? Can you find another object which cannot be changed? Talk to your helper about why one can be changed but one cannot.

Material	Objects	Can it be changed?	Why/why not?
plastic			
wood			
rubber			
fabric			
glass			
clay			

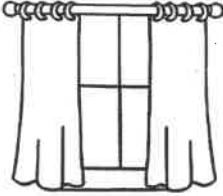
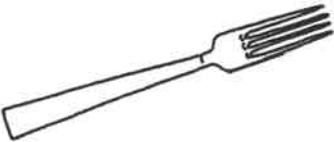




Challenge: Find out which of your objects can go back to the way they were after being twisted or stretched, and which stay in their new shape.

Further challenge: Make some biscuit dough or pastry with your helper. How do the properties of the dough or pastry change when it is baked?

Note for parents: Before starting this activity, have some of the following items to hand: playdough, pastry, a plastic bag, something made from fabric, a rubber band, a paper clip, sawdust/wood shavings/pencil shavings or a small twig or stick.

Magic Materials

Find the following objects around your home. For each object, write what material it is made from, and one property of that material which makes it suitable for this object. You will find the words you need on the key vocabulary page (page 6).

	A window is made from glass because it is transparent.
	A fork is made from _____ because it is _____.
	An umbrella is made from _____ because it is _____.
	A coat is made from _____ because it is _____.
	A pencil is made from _____ because it is _____.
	A house is made from _____ because it is _____.

Note for parents: In year 1, children will have learnt about the most common materials in everyday use including; wood, metal, plastic, fabric, rock and glass. They also learned some of the properties of these materials, such as if it was hard/soft, rigid/flexible, transparent/opaque, shiny/dull, waterproof or strong. In year 2, this knowledge is extended by asking children to think about why materials are used for particular uses.

Easter Themed Basket Craft

Instructions:

1. Colour in the basket and the handle.
2. Cut out and fold on the dotted lines.
3. Glue the sides together and staple on the handle.
4. Fill your box with Easter goodies.

