School Closure Work Pack 6

Year 5 – Mr Stagg

Name:

¡Hola mi amigos!

I hope you had a good week last week and a relaxing weekend (how lucky are we to still have the glorious weather we have been having?). It was certainly a week with a variety of news. Of course, we celebrated Victory in Europe day last Friday and however you celebrated, I hope you kept yourselves and your family safe. One thing I have really noticed in the news over the past few weeks are the budding artists that are creating some fantastic tributes to people across the UK for their services to us. These have included graffiti murals to the NHS staff and recently, Captain Tom Moore! If you haven't seen them yet, research them in your spare time – they're so cool!

In last week's work pack I mentioned how I have been attending Tonyrefail School to look after some of the children from our school. Last week, I also attended Ysgol Nantgwyn to help out too, which was lovely as I was able to see a few more of our pupils. They are all well but said they cannot wait until we are back in school so they can see all of their friends and teachers. I think we all feel the same!

A small change that I am going to try from next week onwards is a recorded message to you all, so instead of you reading the notes I write to you, hopefully you will be able to watch a video of me talking to you instead! I will place a QR code in next week's pack, so make sure your phone/ tablet can scan QR codes and if not, there are plenty of free QR scanning apps you can download.

For now though, try your best to work through the activities in this pack. There are a few topics that you will see we have covered before, but it is important to review them so they are embedded in your mind.

Take care everyone and I'll hopefully speak to you all very soon!

Mr Stagg

Useful Websites:

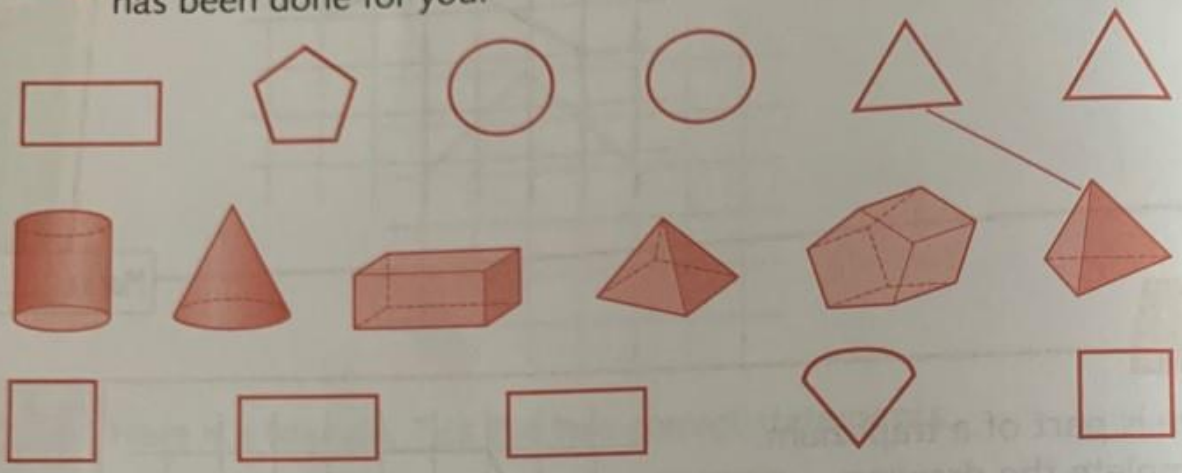
- Disneyland at Home (There's some really fun activities on this website including more nets like the ones in this pack) - https://athome.disneylandparis.com/en/
- Foldify – Download this app to build and create your own nets (Those of you in my Maths class have used this before). There is a small price for this app.

3-D Shapes and Nets

PS Problem-solving questions

Challenge 1

1 Match the 3-D shapes to the 2-D shapes that make them. One has been done for you.



2 How many **faces**, **edges** and **vertices** does this shape have?

Faces: _____ Edges: _____ Vertices: _____

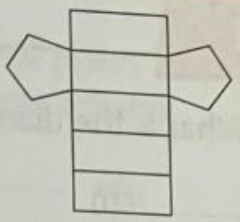
Marks.....

Challenge 2

1 This is an incomplete net of a tetrahedron. Complete the net.

3-D Shapes and Nets

2 This is a net of a 3-D shape. How many **faces**, **edges** and **vertices** does the 3-D shape have?



Faces: _____ Edges: _____ Vertices: _____

3 marks

PS **3** Connie thinks of a 3-D shape. She says, 'It has 6 faces, 12 edges and 8 vertices. Its faces are two different 2-D shapes.'

What is Connie's shape? _____

1 mark

Marks..... /5

Challenge 3

PS **1** Peter has two identical tetrahedrons. He joins the two shapes by putting the bases together to make a new 3-D shape. How many faces, edges and vertices does his new shape have?

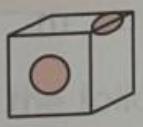
Faces: _____

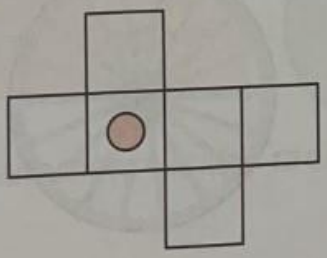
Edges: _____

Vertices: _____

3 marks

2 Here is a patterned cube. Draw the missing pattern on the net below.

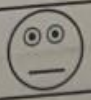




1 mark

Marks..... /4

How am I doing?



Total marks /17

2D shapes

Revise wise

Get started

This shape is a: **a** kite ☐ **c** trapezium ☐

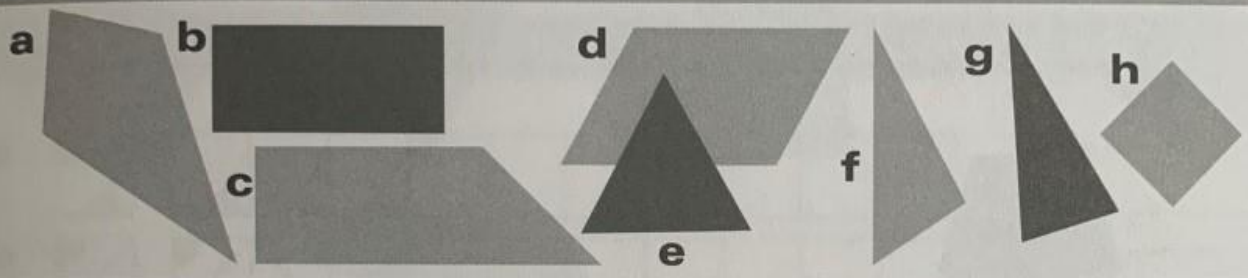
b rhombus ☐ **d** parallelogram ☐

This shape is:

a an isosceles triangle ☐ **c** a scalene triangle ☐

b an equilateral triangle ☐ **d** a right-angle triangle ☐

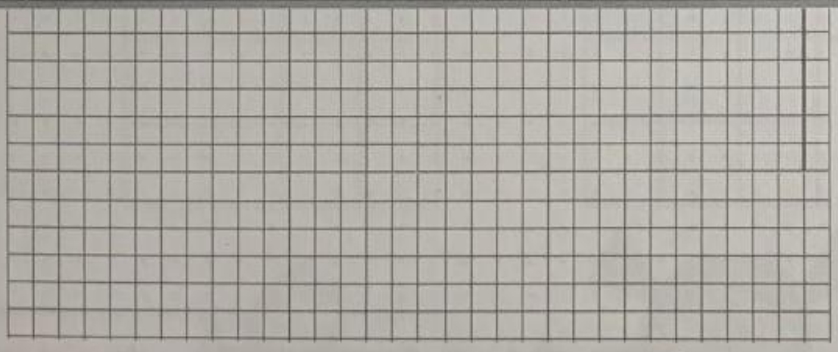
1 Look at the shapes and complete this chart by ticking the names.



shape	a	b	c	d	e	f	g	h
kite								
parallelogram								
rectangle								
rhombus								
trapezium								
equilateral triangle								
right-angled triangle								
isosceles triangle								

2 Draw and name two quadrilaterals as accurately as you can. Mark on:

- parallel sides
- equal length sides
- right-angles
- lines of symmetry

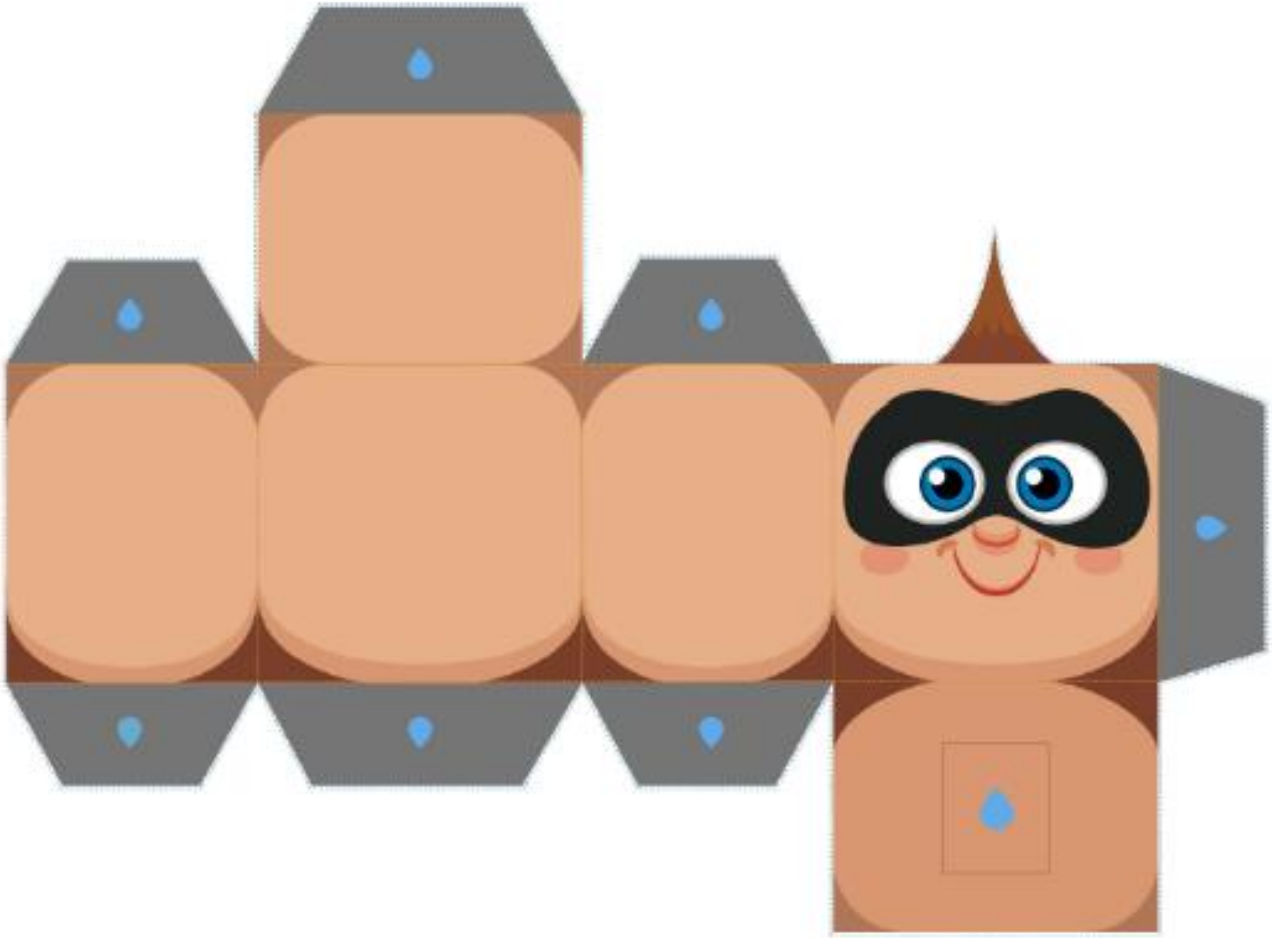


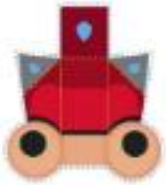
On your toes

If potatoes are 54p per kilo, the cost for five kilos is

a £2.09 ☐ **b** £2.55 ☐ **c** £2.70 ☐

DISNEYLAND® PARIS at home





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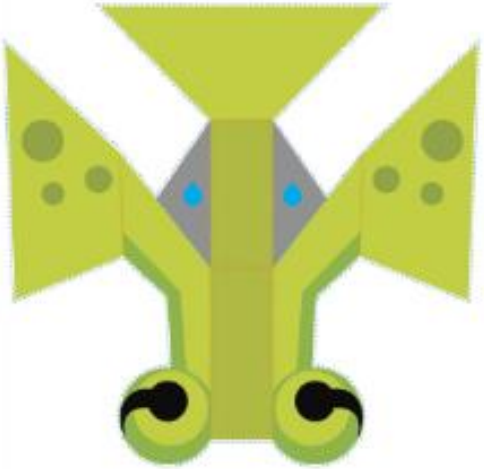

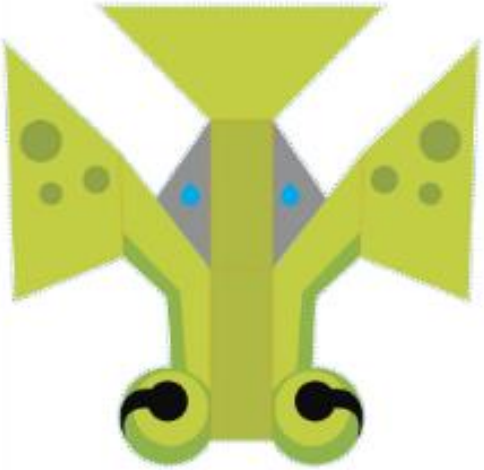

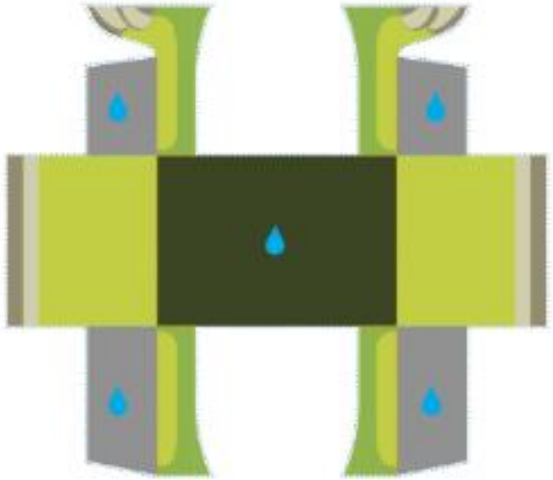

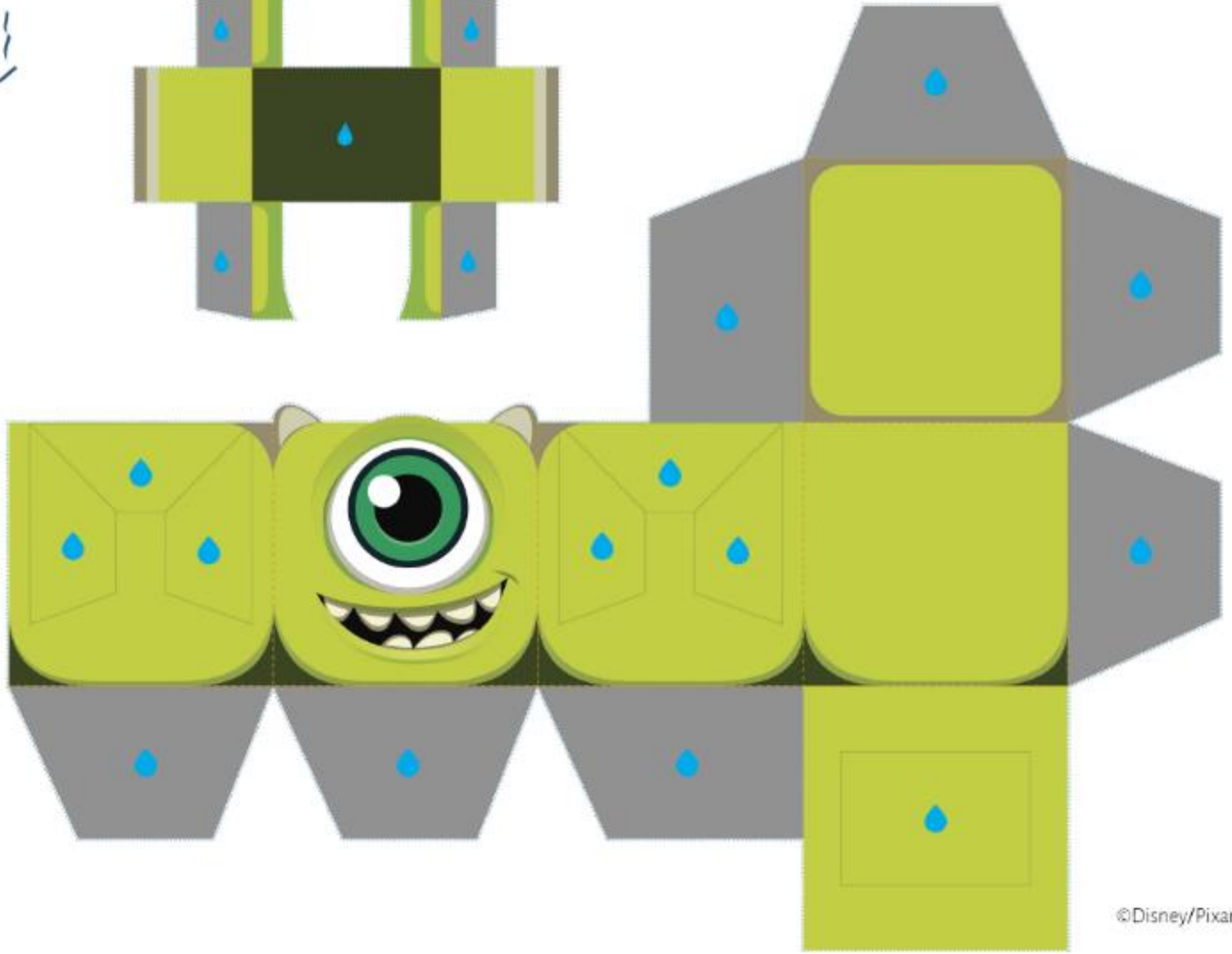

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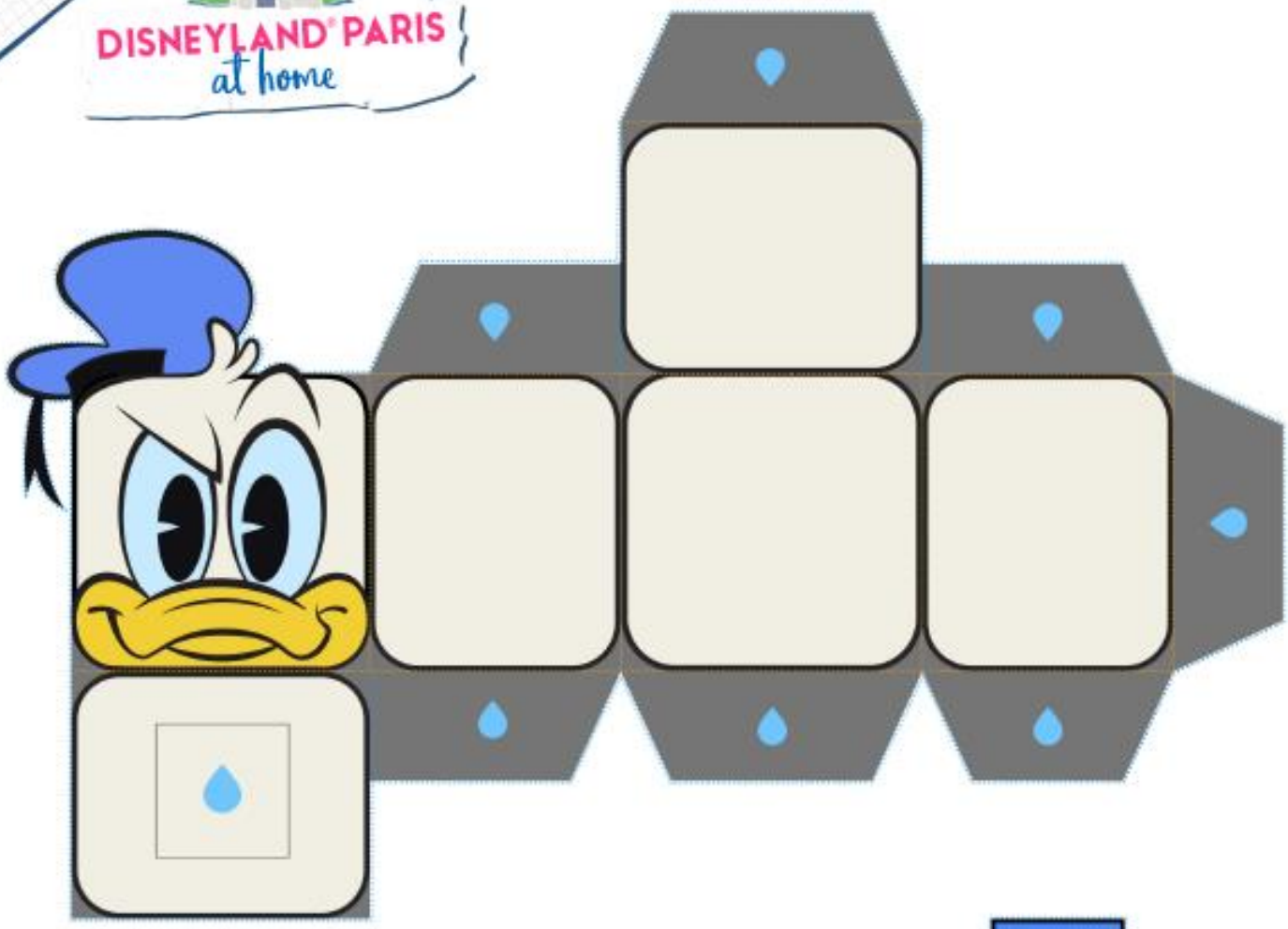

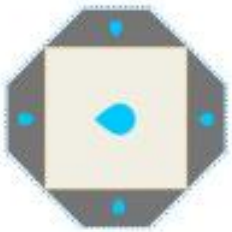

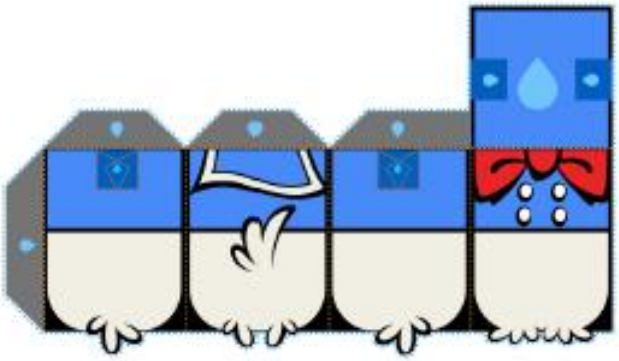

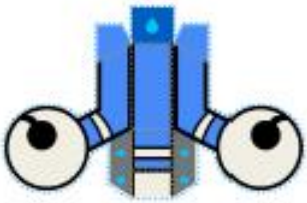

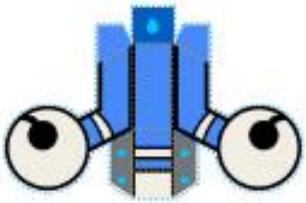

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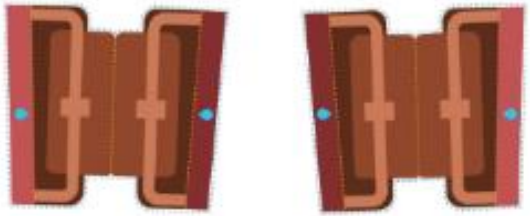

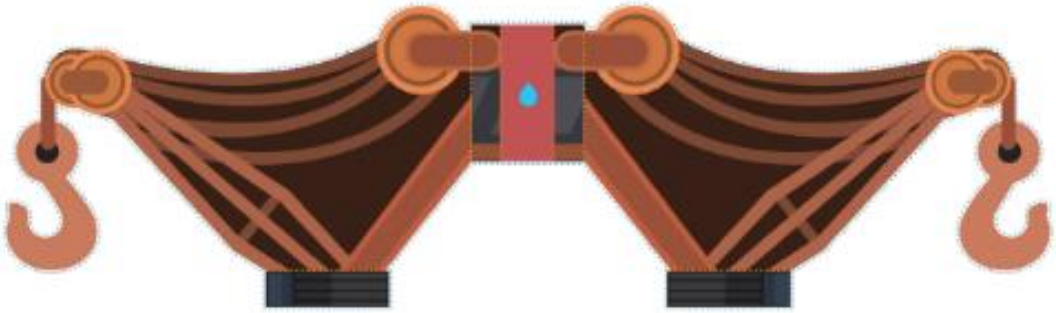

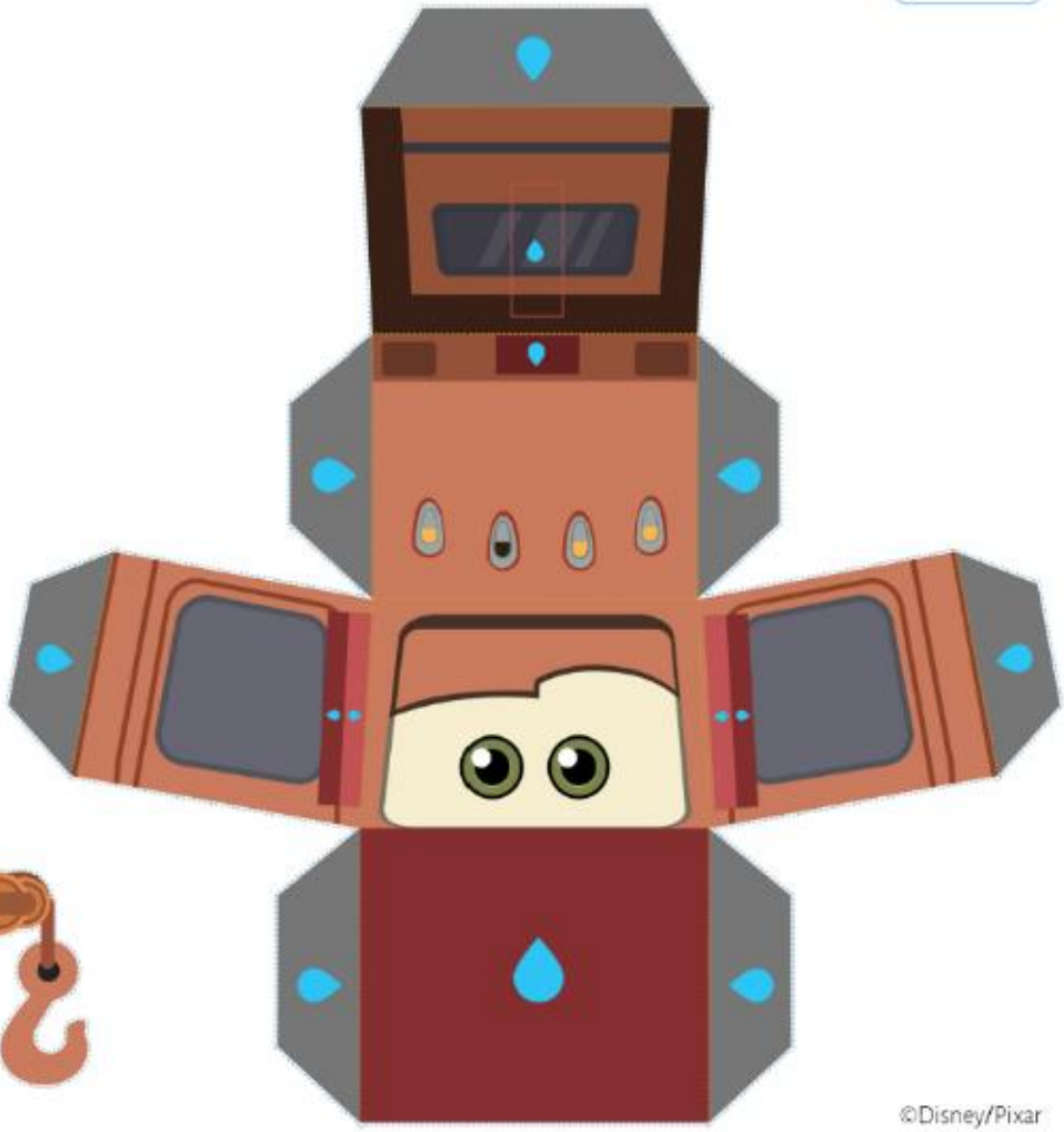

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Mental Maths

(Don't cheat – the answers are there for your parents/ guardians)

1. What is **half of 70**? (35)
2. What number would I add to **35 to make 50**? (15)
3. Write the number **six thousand and six** in figures. (6006)
4. How many **metres** are equivalent to **3.5 kilometres**? (3500)
5. Round **973** to the **nearest ten**. (1000)

(10 seconds response time)

6. How many **7 pence sweets** could you buy for **50 pence**? (7)
7. Which number would you **add** to **750 to make 1000**? (250)
8. Five track-suits cost **£200**. What does **one track-suit cost**? (£40)
9. How many **days are there in seven weeks**? (49)
10. A **rectangle measures 9cm by 8cm**. What is its **area**? ($72cm^2$)
11. What is **half of 4800**? (2400)
12. Estimate the **size of angle** shown on your answer sheet (150° – give 5° either way)
13. What is **one quarter of £10**? (£2.50)
14. On your answer sheet is a **scale**. What is the number shown? (32500)
15. What is **thirty multiplied by thirty**? (900)

(15 seconds response time)

16. Which **two numbers** in the box have a **product of 44**? (11 & 4)
17. In a money box there are **eight twenty pence pieces**. Write down the **total amount** in the box. (£1.60)
18. Put a ring around the **largest quantity** shown on the answer sheet. (3.5kg)
19. Look at the timetable on your answer sheet. A train leaves Liverpool at **10:40** and Arrives in Wigan at **11:46. How long did the journey take?** (1h 6min)
20. What is **one point three multiplied by three**? (3.9)

Name

Date

1.

2.

35 50

3.

4. m

3.5km

5.

973

6.

7p 50p

7.

750 1000

8.

5 £200

9.

days

10.

cm^2

9cm 8cm

11.

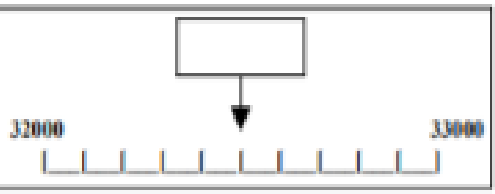
4800

12. 0

13.

$\frac{1}{4}$ £10

14.



15.

30 30

16.

11 8

12 4

17.

8 20p

18. 3kg 2500g

3005g 3.5kg

19.

LIVERPOOL	0940	1010	1040	1110
Rainhill	1005	1035	1105	1135
St Helens	1021	1051	1121	1151
WIGAN	1046	1116	1146	1216

20.

1.3 3

PROBLEM SOLVING TASK CARDS - Looking for a Pattern

Problem 94

Numbers 1 2 3

Level B

A marine biologist is researching the structure of a nautilus. The shell's pattern follows a sequence discovered by the mathematician Fibonacci. Insert the next three numbers.

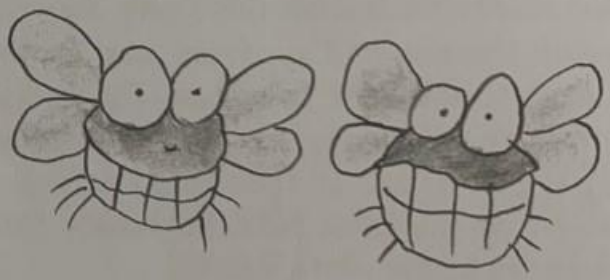
0 1 1 2 3 5 8 13 _ _ _

Problem 95

Numbers 1 2 3

Level B

Flies are known to breed at an amazing rate. One day there are two flies; on the next day, five; on the third day, nine; and on the fourth day, 14. How many flies will there be on the eighth day?



Problem 96

Numbers 1 2 3

Level B

Gerald jogs five blocks on the first day of training. Each day he increases his distance by another three blocks. On the last day he jogged 35 blocks. For how many days did he jog?

The Little House in the Big Woods

Laura and her family were some of the first people to move into the 'wild west' of the USA in the 1870s. Here she learns of danger.

Laura and Mary had never seen a town. They had never seen a store. They had never seen even two houses standing together. But they knew that in a town there were many houses, and a store full of candy and calico and other wonderful things – powder, and shot, and salt, and store sugar.

They knew that Pa would trade his furs to the storekeeper for beautiful things from town, and all day they were expecting the presents he would bring them. When the sun sank low above the treetops and no more drops fell from the tips of the icicles they began to watch eagerly for Pa.

The sun sank out of sight, the woods grew dark, and he did not come. Ma started supper and set the table, but he did not come. It was time to do the chores, and still he had not come.

Ma said that Laura might come with her while she milked the cow. Laura could carry the lantern.

So Laura put on her coat and Ma buttoned it up. And Laura put her hands into her red mittens that hung by a red yarn string around her neck, while Ma lighted the candle in the lantern.

Laura was proud to be helping Ma with the milking, and she carried the lantern very carefully. Its sides were of tin, with places cut in them for the candle-light to shine through.

When Laura walked behind Ma on the path to the barn, the little bits of candle-light from the lantern leaped all around her on the snow. The night was not yet quite dark. The woods were dark, but there was a grey light on the snowy path, and in the sky there were a few faint stars. The stars did not look as warm and bright as the little lights that came from the lantern.

Laura was surprised to see the dark shape of Sukey, the brown cow, standing at the barnyard gate. Ma was surprised too.

It was too early in the spring for Sukey to be let out in the Big Woods to eat grass. She lived in the barn. But sometimes on warm days Pa left the door of her stall open so she could come into the barnyard. Now Ma and Laura saw her behind the bars, waiting for them.

Ma went up to the gate, and pushed against it to open it. But it did not open very far, because there was Sukey, standing against it. Ma said:

"Sukey, get over!" She reached across the gate and slapped Sukey's shoulder.

Just then one of the dancing bits of light from the lantern jumped between the bars of the gate, and Laura saw long, shaggy, black fur, and two little, glittering eyes. Sukey had thin, short, brown fur. Sukey had large, gentle eyes.

Ma said, "Laura, walk back to the house."

So Laura turned around and began to walk towards the house. Ma came behind her. When they had gone part way, Ma snatched her up, lantern and all, and ran. Ma ran with her into the house, and slammed the door.

Then Laura said, "Ma, was it a bear?"

Laura Ingalls Wilder

TEXT

1 Where had Laura's father gone? What was he aiming to do there?

2 What season of the year was Pa away? Give your reasons. When was he due to return?

3 Give three examples to show that Laura and her sister lived their life away from other people.

4 Why was Laura surprised when she got to the barnyard? Give reasons for this. Why was what they found in the barnyard so dangerous?

5 Find information from the passage about the story setting. Look for details of:

• the countryside • the season • the time of day • the farm • the time in history

SENTENCE

1 Write out these shortened words and then write them in full, e.g. he's – he is.

he's I'll you've we're it's they'll

2 Put the shortened versions into sentences to show you understand them.

3 Write out the short form of these words, putting in apostrophes:

she will he will is not was not were not
it has I would I had I have

4 Write out the short form of these words, putting in apostrophes: shall not, will not, cannot. What do you notice is unusual about the number of missing letters?

5 In speech, we use apostrophes to show letters missed out, e.g. "I 'ate 'im," he shouted. Use shortened forms of these words in sentences.

hungry telephone him them house hang

WORD

1 Write out these words, putting in the missing vowels, e.g. b – te = bite.

car _ cle _ n shar _ h _ r rid _ b _ y skat _ w _ it

2 Add 'ing' and 'ed' to the words in question 1, if possible.
Check your spelling in a dictionary. When the word ends in an 'e', what happens?

3 Now add 'ing' and 'ed' to these other single-syllable words. Check your spelling.

fire cure move prove change

4 Add 'ing' and 'ed' to these longer words. Does the same thing happen?

manage rescue complete surface persuade believe

Proofreading

G Grammar P Punctuation S Spelling

Challenge 1

S 1 Read the passage and underline the 10 spelling mistakes. Spell the words correctly in the space provided at the end of the passage.

Helo, you might be wondering who I am or what I am. Let me tell you. I am a dinorsaur! I live in a world that is very diferent to yours. You might recognise some of the plants that I see every day but many would be strange to you. I live in a world of coniferos forests, groves of cycads and fern-like plants. Flowering plants like magnolia, holly, ginkgo, dogwood, horsetails and ferns make my world beautiful.

Dinosaurs like me can be found in the areas you now call North America and Euurope. There are large freswater lakes where England and the South of France will be. I live in the Cretaceous period and dinosaurs are large pant eaters or meat eaters. I am a herbivore which means that I am a plant-eating dinosaur. My herd name is Triceraatops. I have a short, strong neck that makes it eesy for me to pull at and eat tough vegetation. I have three horns that I can figt with and I live in a herd that roams the countryside. We get to know the land and find out where there are good places to visit and where the eating is good.

a) _____ b) _____

c) _____ d) _____

e) _____ f) _____

g) _____ h) _____

i) _____ j) _____

Marks.....

Challenge 2

G 1 Underline the incorrect verb form and write the correct verb form in the space at the end of the sentence.

a) The teacher checked that the homework were handed in.

_____

Proofreading

b) I done my homework last night. _____

c) They remembered that they has left their umbrellas on the bus.
_____

d) If I would have worked harder I would have passed my test.
_____

e) The book were very good,
I really enjoyed the story.
_____

5 marks

Marks..... /5

Challenge 3

GPS 1 Read the following passage and underline the mistakes.
Write the passage out correctly. There are 15 mistakes to find.

Helen was a keen football player. she were a good member of the girl's team. I remeber the first time i saw her play. She was the centre-forward and score a brilliant gol she will probable play for england won day! I will look fourward to that day and make sure I go to wach the match

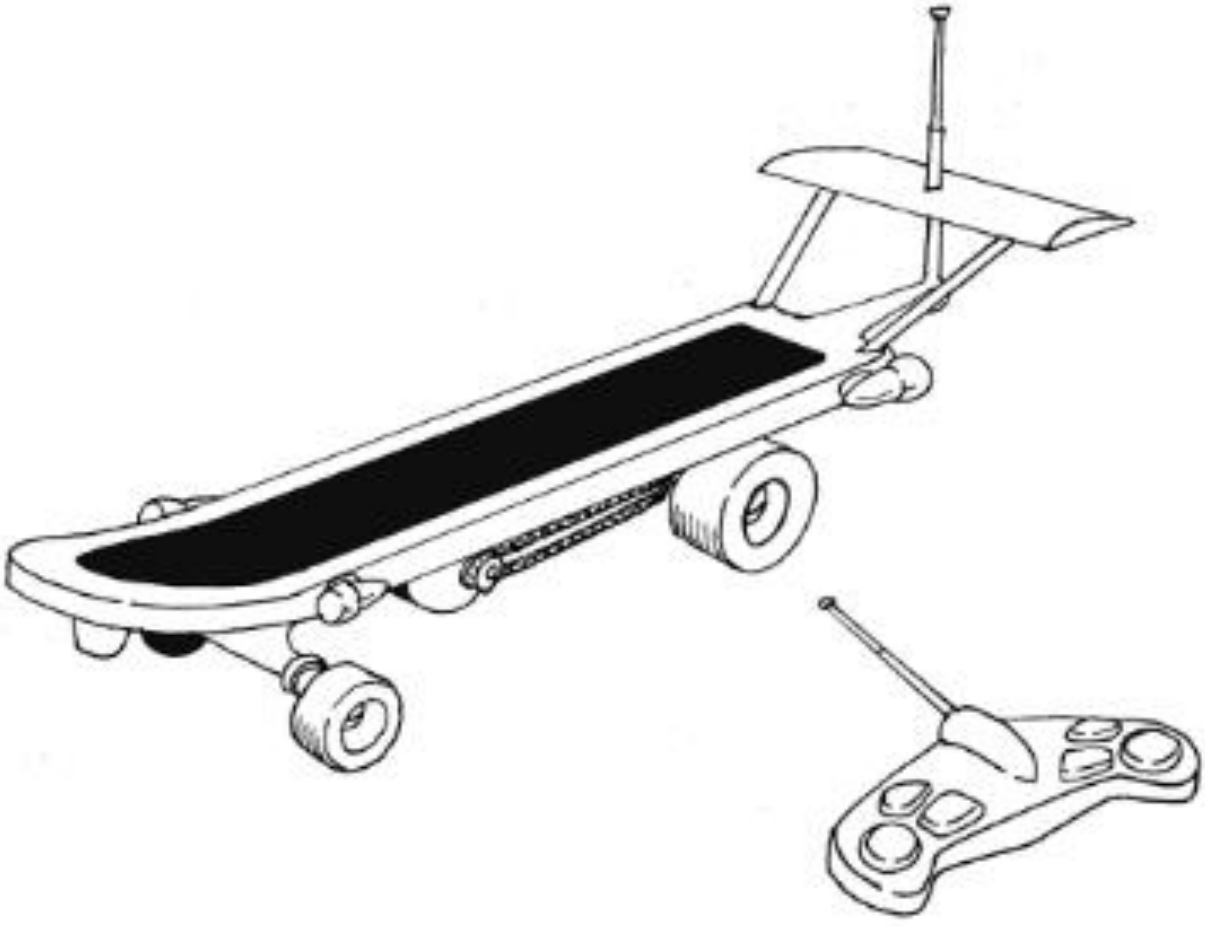
_____
_____
_____
_____
_____
_____
_____
_____

15 m

Marks.....

The Electric Skateboard

You have been asked to promote a new type of skateboard. It is powered by an electric motor and has rechargeable batteries. It is operated from a wireless hand controller.

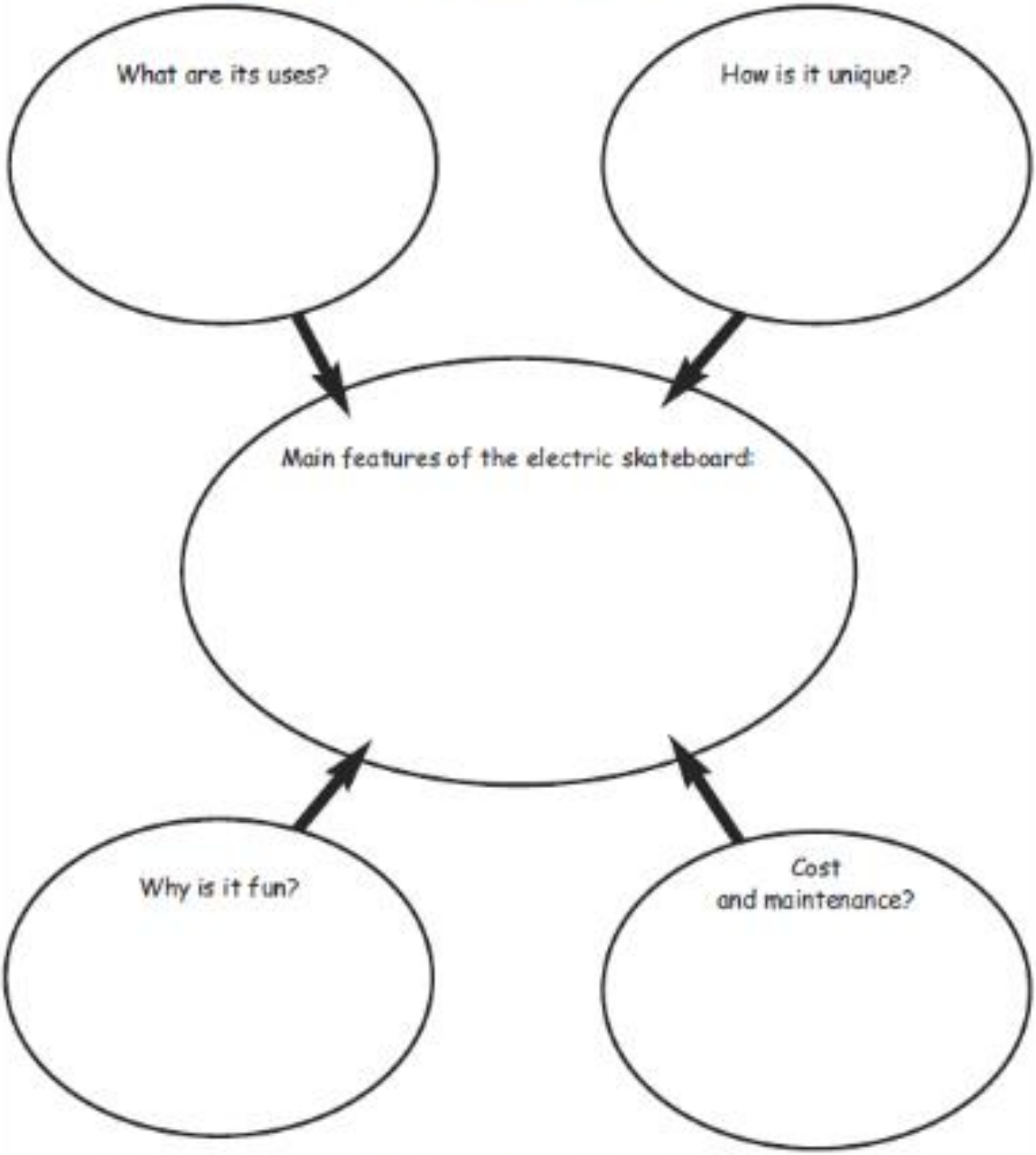


Task

Your task is to write a persuasive article for a parent's magazine explaining the functions and advantages of the electric skateboard.
You need to make it sound like the best Christmas present any child could ever want!

Name _____ Date _____

The Electric Skateboard



Collect words and phrases to help you persuade parents to buy this skateboard.

Name _____ Date _____

The Electric Skateboard

Name _____ Date _____

Activity 1:
Find the words from your spelling list in this Wordsearch.

bicycle
biped
biography
binary
biplane
bisect
biology
bisection
binoculars
aqua
aquarium
aquarius
aquatic
aquaplane
aqueduct
aqualung
around
our

u	u	a	a	a	s	b	i	s	e	c	t	i	o	n
r	t	a	u	a	b	i	n	o	c	u	l	a	r	s
o	a	q	u	a	r	o	u	n	d	a	o	q	p	a
a	a	u	i	q	i	g	b	i	p	e	d	u	u	a
q	a	a	q	u	a	r	i	u	m	s	a	a	t	g
e	i	r	a	a	q	a	c	q	u	n	n	p	r	t
u	l	i	b	l	u	p	y	i	b	u	a	l	b	a
b	o	u	t	u	e	h	c	b	i	p	l	a	n	e
l	q	s	g	n	d	y	l	l	o	d	l	n	y	n
t	q	u	b	g	u	q	e	u	l	i	g	e	b	b
t	b	i	s	e	c	t	n	q	o	u	r	t	l	i
p	a	q	u	a	t	i	c	u	g	a	n	y	n	a
i	i	a	y	b	i	n	a	r	y	b	u	s	d	q
u	e	u	c	u	e	u	c	e	u	d	b	o	q	u
a	a	b	c	c	o	s	o	i	i	i	i	y	n	t

Activity 2:
Write all the words in your spelling list in the correct boxes.

Three letter word
1. _____

Four letter word
1. _____

Five letter word
1. _____

Six letter words
1. _____
2. _____
3. _____

Nine letter words
1. _____
2. _____
3. _____

Seven letter words
1. _____
2. _____
3. _____
4. _____

Eight letter words
1. _____
2. _____
3. _____
4. _____

Ten letter word
1. _____

English Curriculum Essential Words

frequently queue

Which of these two words can be both a noun and a verb?

Activity 3:
Find a 2 letter word and a 3 letter word in the following word.

binary → _ _ _ _ _

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Phase 16 Week 3 Look, Say, Cover, Write, Check

Name _____ Date _____

	1st Attempt	2nd Attempt	3rd Attempt	4th Attempt
bicycle				
biped				
biography				
binary				
biplane				
bisect				
biology				
bisection				
binoculars				
aqua				
aquarium				
aquarius				
aquatic				
aquaplane				
aqueduct				
aqualung				
around				
our				
frequently				
queue				

Phase 17 Week 3 Spelling Practice Activities

Name _____ Date _____

Activity 1:
Find the words from your spelling list in this Wordsearch.

aqualung
aquarium
prove
proven
hear
here
logic
logical
ecology
binary
biplane
bisect
wife
wives
faster
fasten
want
wanted

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

Activity 2:
Solve these anagrams.

cglioal → _____

oclig → _____

oylecgo → _____

nyrabi → _____

Activity 3:
Choose the correct word to complete each sentence.

1. I did not _____ to go shopping with my mum. (wanted/want)
2. The man explained that his _____ was going to be late. (wife/wives)
3. I could not _____ what the teacher was saying. (hear/here)
4. My seatbelt would not _____ . (faster/fasten)
5. The fish swam around in their huge _____ . (aqualung/aquarium)
6. A _____ has two sets of wings. (bisect/biplane)
7. The police could not _____ who stole the bicycle. (proven/prove)

English Curriculum Essential Words

equipment equip

Which of these two words is a noun?

Phase 17 Week 3 Look, Say, Cover, Write, Check

Name _____ Date _____

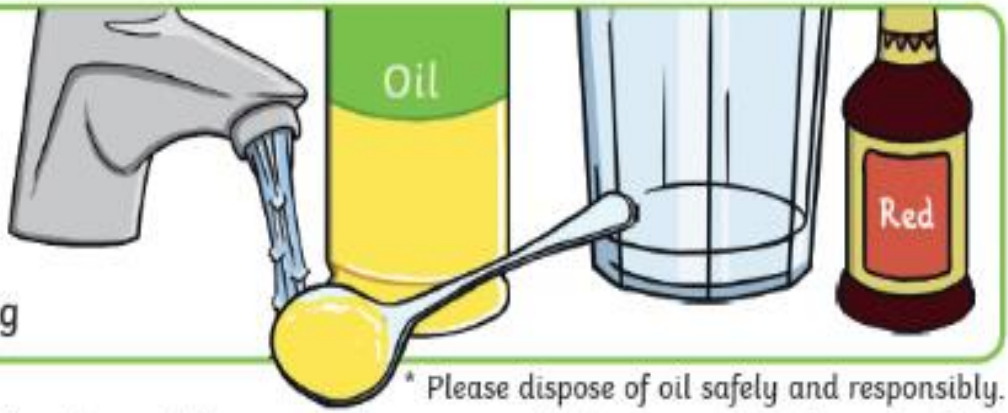
	1st Attempt	2nd Attempt	3rd Attempt	4th Attempt
aqualung				
aquarium				
prove				
proven				
hear				
here				
logic				
logical				
ecology				
binary				
biplane				
bisect				
wife				
wives				
faster				
fasten				
want				
wanted				
equipment				
equip				

Mini Science Experiment

Fireworks in a Glass

You Will Need

- Warm Water
- Oil*
- A Tall Glass
- Food Colouring



* Please dispose of oil safely and responsibly.

This is a very cool, simple and fun experiment, and also completely safe, just don't drink the water!

Method

1. Fill the tall glass with warm water.
2. Pour a small amount of oil into another container and add a few drops of food colouring.
3. Give it a good stir, if it doesn't mix, add a bit of water.
4. Pour the food colouring and oil mixture into the warm water and watch the fireworks!

The Science Bit

Oil and water don't mix. Also oil is less dense than water (meaning there is less of it in the same volume) and therefore floats on top of water in a nice layer. The food colouring we used was water based and therefore does not mix with the oil, instead it sinks through the oil into the water below. Since the addition of the colouring makes the food colouring heavier than the water, it sinks to the bottom leaving trails (resembling fireworks) as some of the colour diffuses into the water.