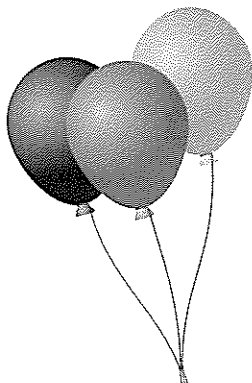


# Learning From Home Fun Week!

## Term 3 Week 10

Stage 1  
Wed - Fri



Wednesday

## **St 1 Living World Science Wednesday 15.09.21 10am**

You are invited to a Zoom webinar.

When: Sep 15, 2021 10:00 AM Canberra, Melbourne, Sydney

Topic: Stage 1 Living World Webinar

Please click the link below to join the webinar:

<https://nsweducation.zoom.us/j/66188556652?pwd=NEVks1draWJzZE81VWd3OUZDSEExQT09>

Passcode: 987897

### **Stage 1 - Living Worlds (Science)**

This webinar supports Stage 1 Living World with a focus on features of living things and their environment. Students will understand some of the iconic animals in their local area and how we can improve a local environment to encourage living things to thrive. Students will also be able to consider habitat in their backyard and understand how to safely find minibeasts in their garden.

**Learning Intentions:** We are

- learning what “biodiversity” means
- learning about native animals in our local area
- learning how to safely investigate natural habitats
- learning how to care for our native animals

**Success Criteria:**

- We can describe what biodiversity means
- We can describe different native animals in our local area
- We can describe some things that make a habitat “healthy” for animals
- We have identified a habitat in our backyard (natural or human made)

### **Required Equipment (for activities after the webinar)**

#### **Activity 1: - draw your garden / habitat**

- 1 sheet of A4 Paper,
- something to lean on (eg. clipboard)
- pencil

#### **Activity 2: Find some minibeasts in your garden**

- gloves (eg. garden gloves),
- something to dig with (trowel)
- a container (for example - an ice-cream container)

- small containers with a lid to put your minibeasts in temporarily - eg. small jar or plastic container - preferably clear containers
- 1 sheet of paper
- Something to lean on (eg. clipboard)
- pencil



# Where Happiness Hides

ANTHONY BERTINI &  
JENNIFER GOLDSMITH

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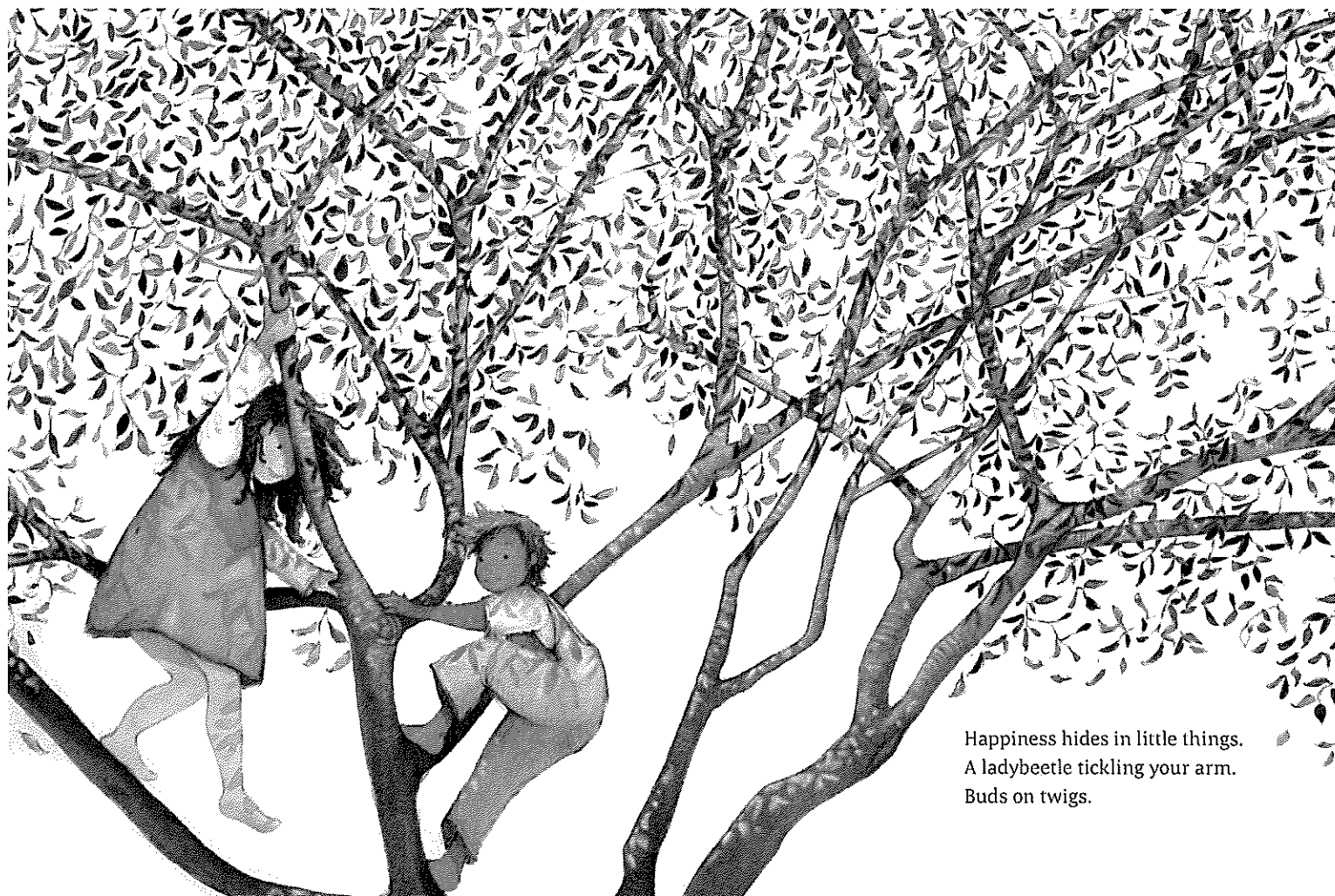
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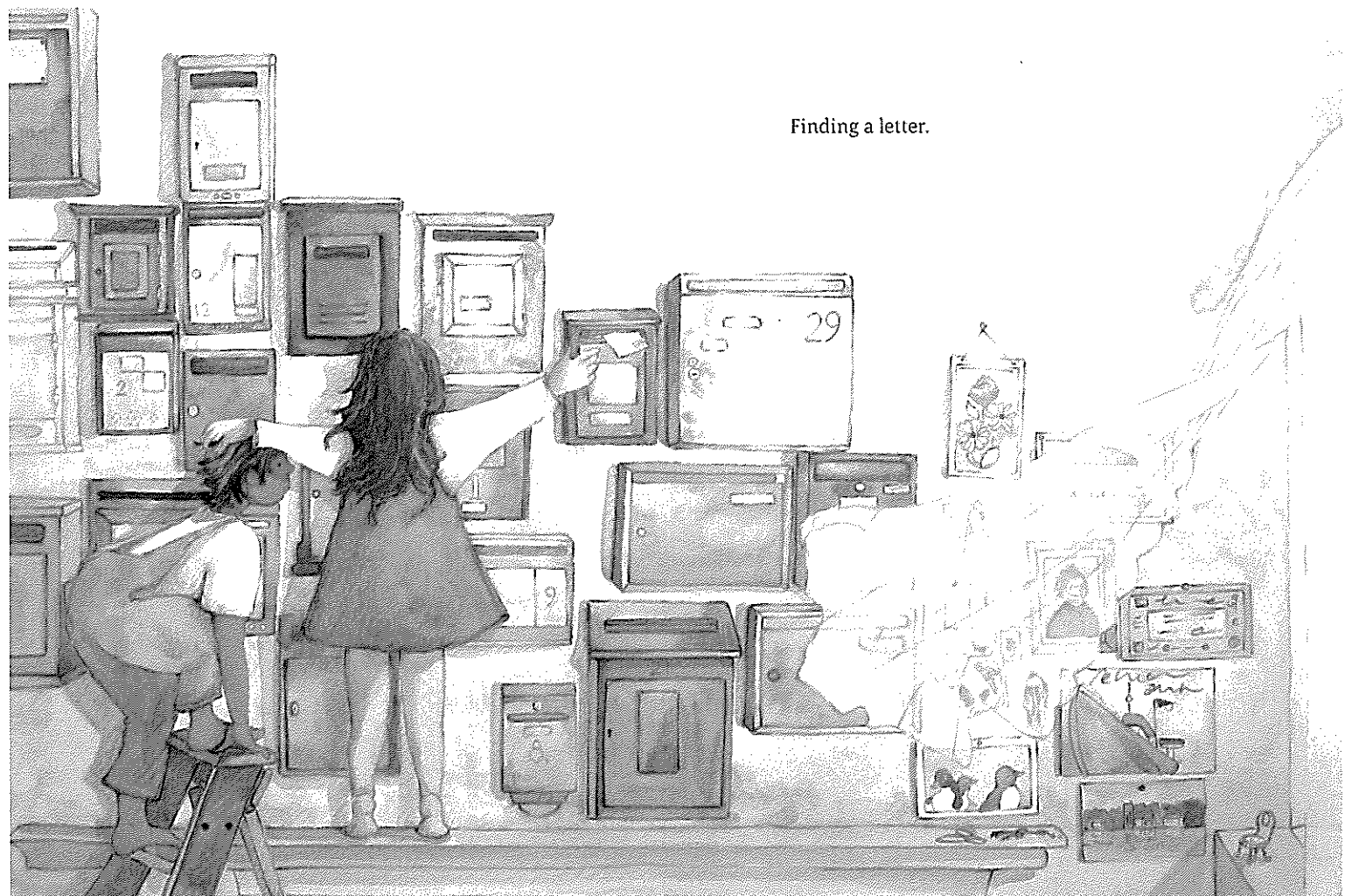


Happiness hides in little things.  
A ladybeetle tickling your arm.  
Buds on twigs.

The last raspberry.



Finding a letter.





A chair for everyone.  
Warm soup full to the brim.



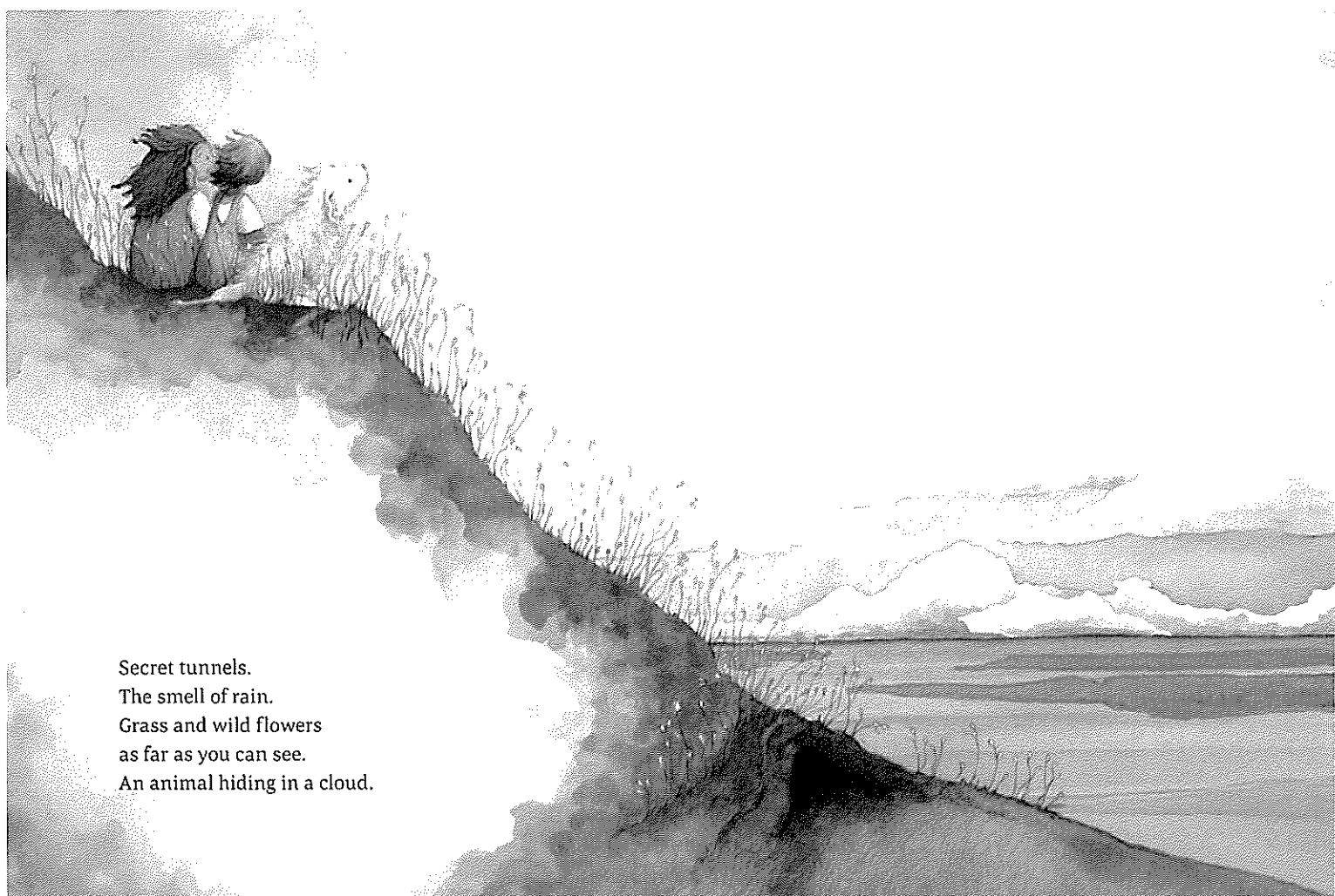
Candles that light  
the way upstairs,  
Shadows dancing.

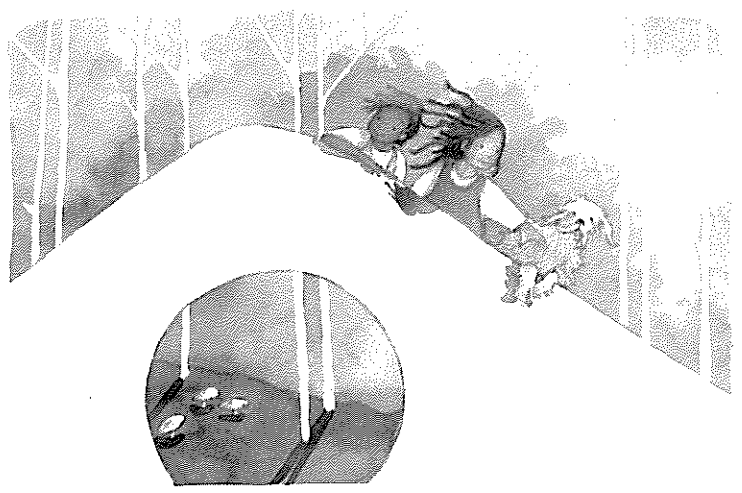
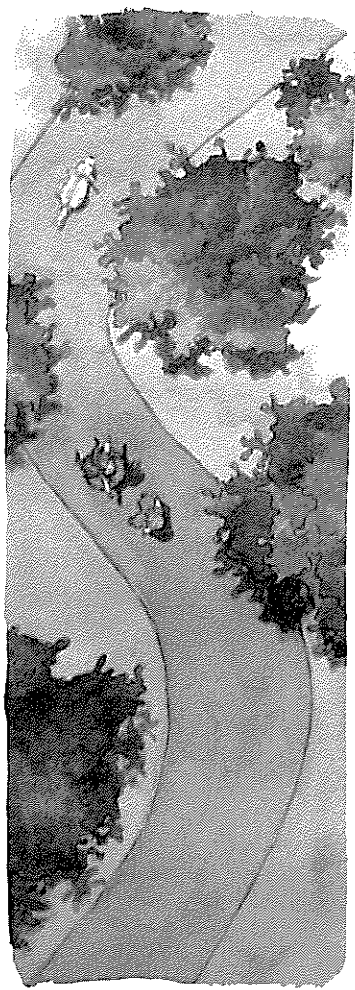


Warm sand that sticks to toes.  
Ripples at the water's edge.  
Crabs running over rocks.  
The first bite.

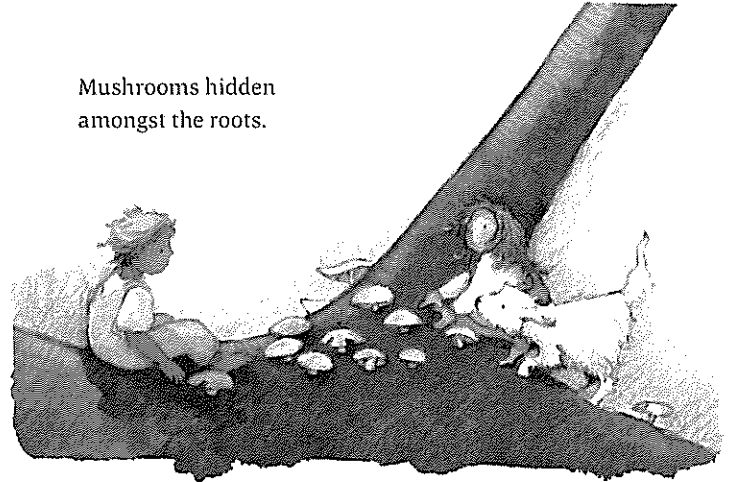


Secret tunnels.  
The smell of rain.  
Grass and wild flowers  
as far as you can see.  
An animal hiding in a cloud.





Mushrooms hidden  
amongst the roots.



Buried treasure.  
A box of shiny things.



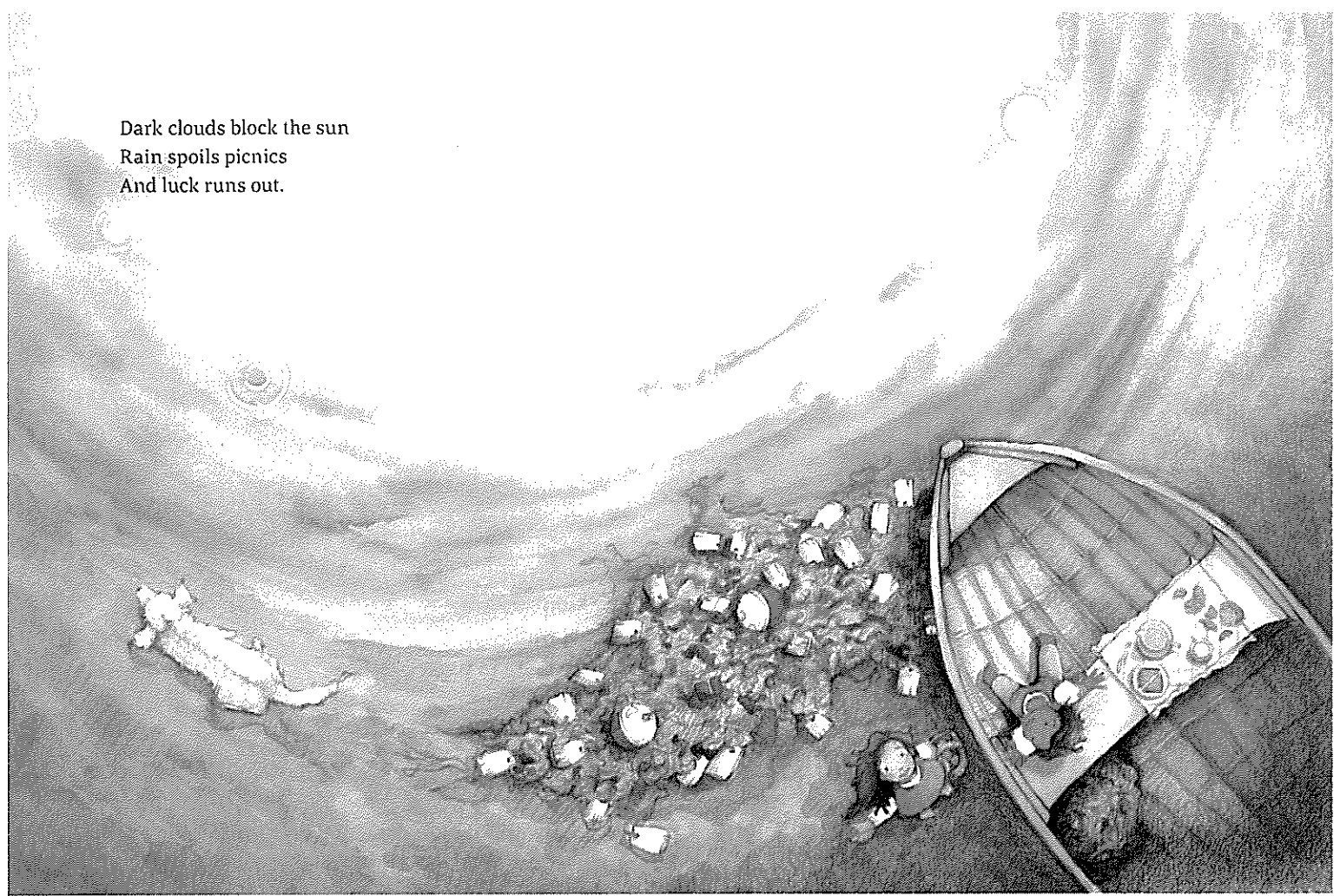
Boats bowing to the wind.



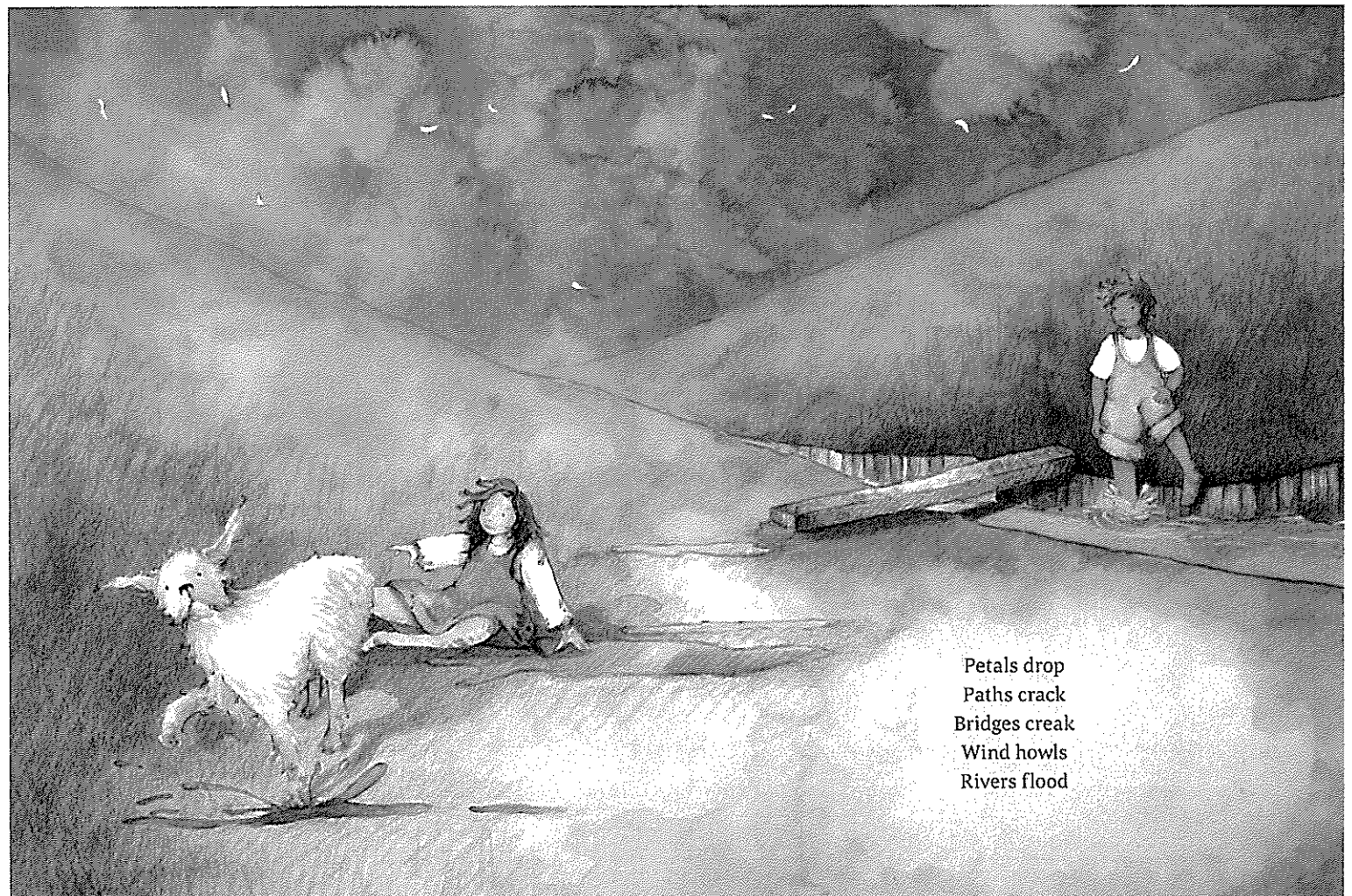
But sometimes ice-cream melts.



Dark clouds block the sun  
Rain spoils picnics  
And luck runs out.



Petals drop  
Paths crack  
Bridges creak  
Wind howls  
Rivers flood



Still, happiness is found in little things.  
Storms pass.  
Puddles beckon and,

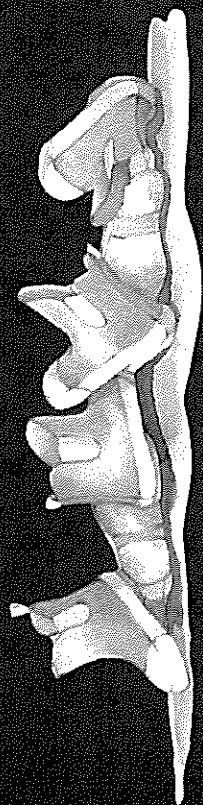


arm in arm, rainbows come with rain.



For my children, Antia and Timothy,  
whom I have watched find  
happiness in small things — AB

For Scott, Harry and Freya,  
where happiness always lives — JG



Name: \_\_\_\_\_ Class: \_\_\_\_\_

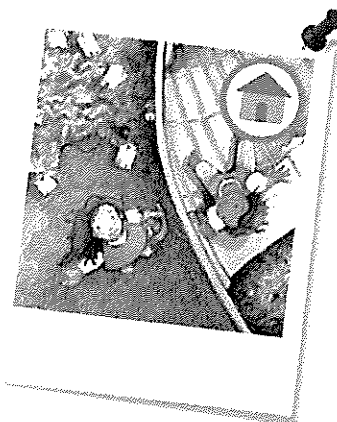
# Emotions Poem - Activity

## Instructions

*"Happiness hides in..."*

Good poets often use repetition and rhyme to make their poems fun to read and listen to. Think about what makes you happy and use the provided poem structure to become a famous poet yourself!

Poems with repetition are easy to remember, and provide a nice musicality to a poem. Rhyming words also helps the lines of a poem link together and sound interesting, and keep the audience engaged with your poem. It can also be a good idea to have your poem loop around and finish back where it started, to make the audience feel like they have been taken on a journey.



**Step 1.** Read Where Happiness Hides.

**Step 2.** Think about things that make you feel really happy. Maybe this is your favourite food, maybe it is a joke that is rude.

Think about things that make you sad, angry and scared.

Make a quick list of all of these things.

**Step 3.** Using the structure below, write a poem about your emotions. Use the best examples from your list. Try to make the last word of each line with the same colour rhyme.

Happiness is \_\_\_\_\_

Happiness is \_\_\_\_\_

Sadness is \_\_\_\_\_

Sadness is \_\_\_\_\_

Anger is \_\_\_\_\_

Anger is \_\_\_\_\_



Name: \_\_\_\_\_

Class: \_\_\_\_\_

Frightened is \_\_\_\_\_

Frightened is \_\_\_\_\_

Happiness is \_\_\_\_\_

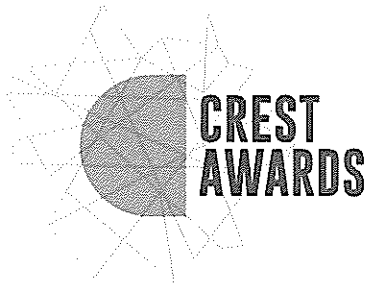
Happiness is \_\_\_\_\_

**Step 4.** What would be a good title for this poem?**Step 5.** Practise reading your poem. Use your voice to make it sound exciting. Try to memorise it.**Step 6.** Perform your poem to your family and friends.

## Taking It Further

Grab a device and record yourself reading your poem. Even better if you can memorise your poem and perform it without reading it from the paper! Upload it to a safe social media channel or your school's online space.





STAR

# Confusing Cans

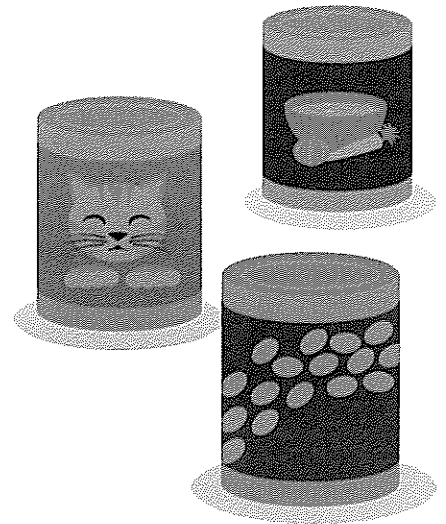
## Activity Card

It is lunchtime at Uncle Astro's house. They are going to have beans on toast. It is Cosmic's favourite.

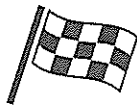
Uncle Astro opens the cupboard doors and suddenly, CRASH, all the cans roll out. Cat food, soup, baked beans, tinned tomatoes all over the floor, and the labels have fallen off. What a disaster!

"How do we know which is the baked bean can?" asks Cosmic. "I don't want cat food or soup on toast!"

Gem picks up one of the cans. It has rolled much further than the others. Cosmic picks up another can. It is still close to the cupboard. "I wonder if the way they roll might help us to work out what is in each can?" says Gem. "Let's see if we can find out."

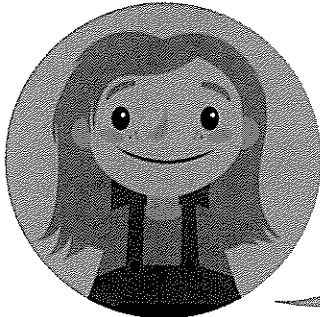


## Your challenge



See if rolling the cans will help Gem and Cosmic to find out what is inside.

Gem

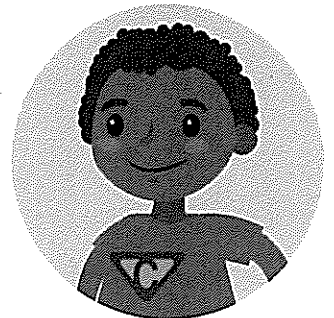


I think a can of beans will roll the furthest.

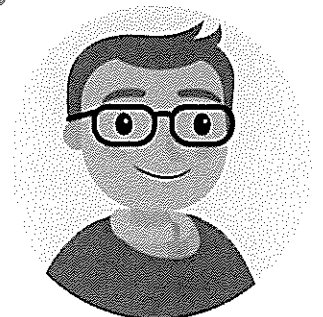
I think a can of soup will roll the furthest.

I think that what is inside of the can does not make a difference to how it rolls.

Cosmic



Uncle Astro



## Discuss

Have you ever dropped a can and seen it roll?

What happened?

## Getting started

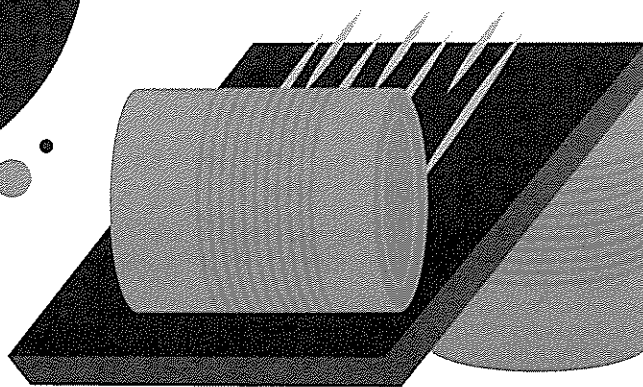
Roll each can down a slope and watch how they roll.

How high will you make the slope?

How will you make sure that you are rolling all the cans in the same way?

How will you know how far they have rolled?

Can you think of other ways to find out?



## Test your ideas

You might like to record your results in a table like this one:

	Can 1	Can 2	Can 3
Distance rolled from a 30 cm high slope			
Distance rolled from a 50 cm high slope			
Distance rolled from a 1m high slope			

## Share your ideas

Talk about which can might have beans inside it and why. Compare your cans with ones with labels to help you to decide. Open the can and see what's inside!

## Extra things to do

Find out what happens if you roll cans or plastic bottles with different things inside. There are lots of things you could use e.g. dry sand, cotton wool, water, plastic beads.

# Boggle

## Spelling Word Puzzle

Name:

**Word Count:**

S	K	E	P
M	A	R	I
G	O	T	N
F	L	A	B

[illegible]

# Boggle

## Spelling Word Puzzle

Date:

Name:

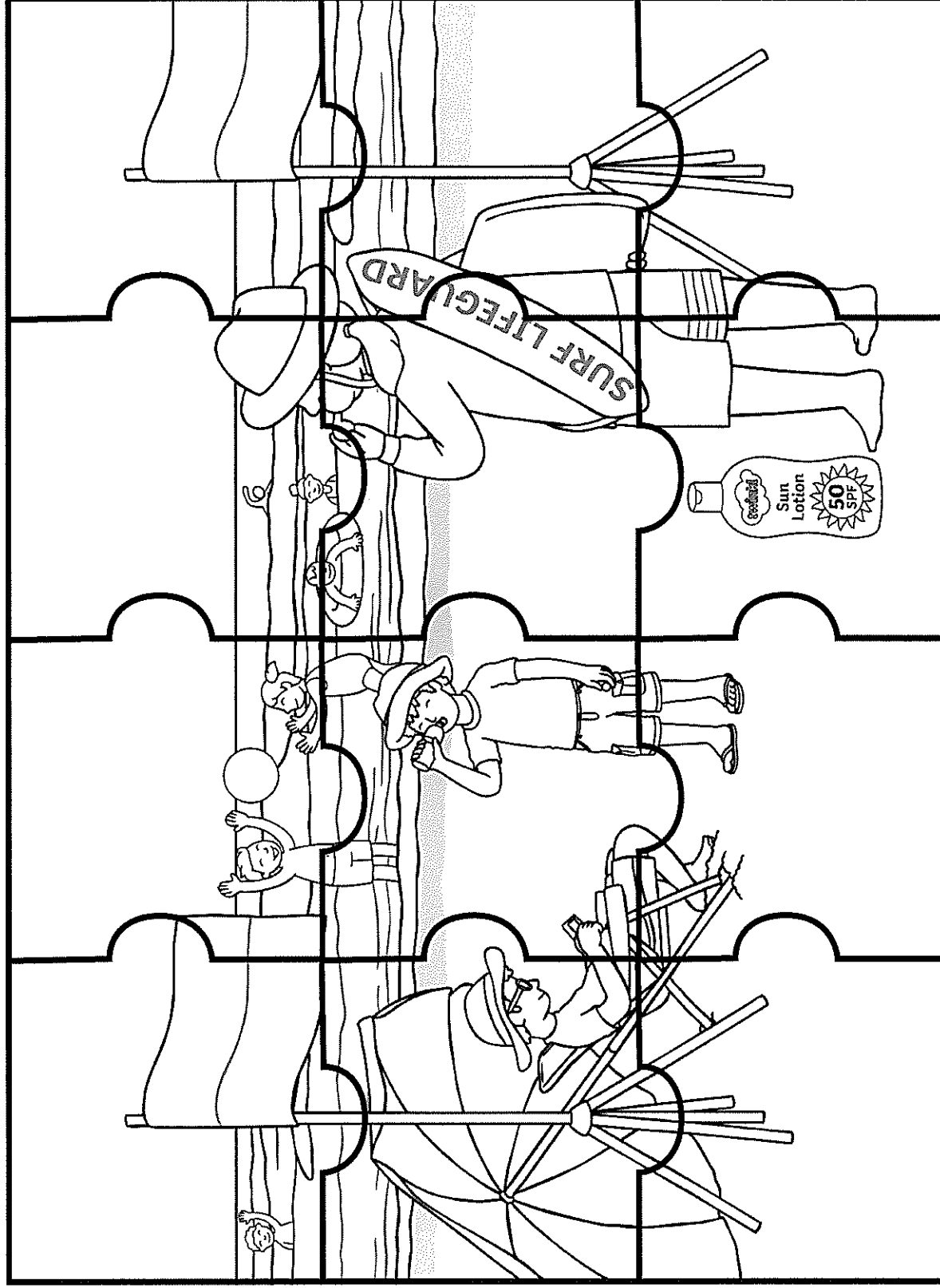
Word Count:

D	G	B	R
S	O	A	T
P	C	L	I
T	A	H	L



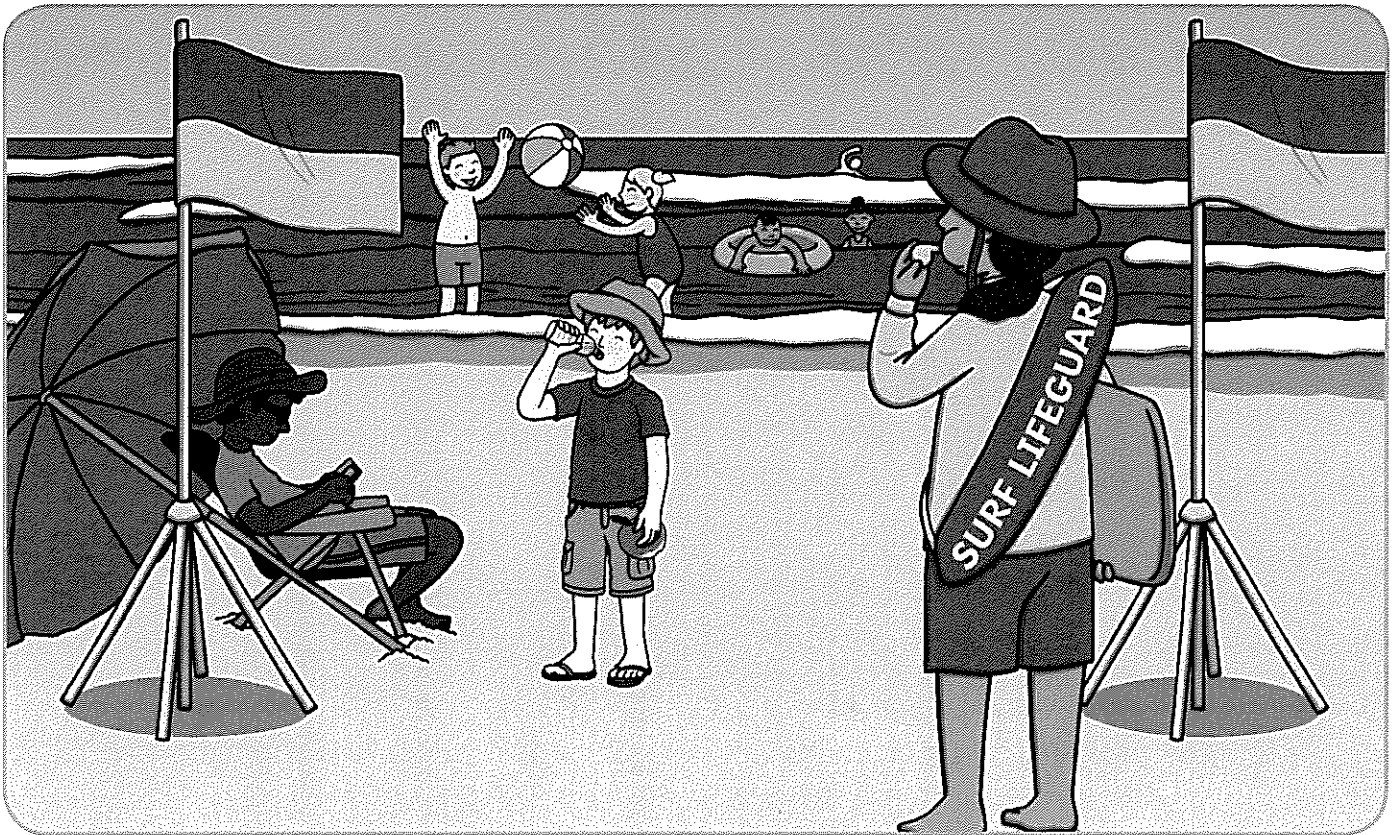
A large rectangular area with horizontal lines for writing answers.

# Beach Safety



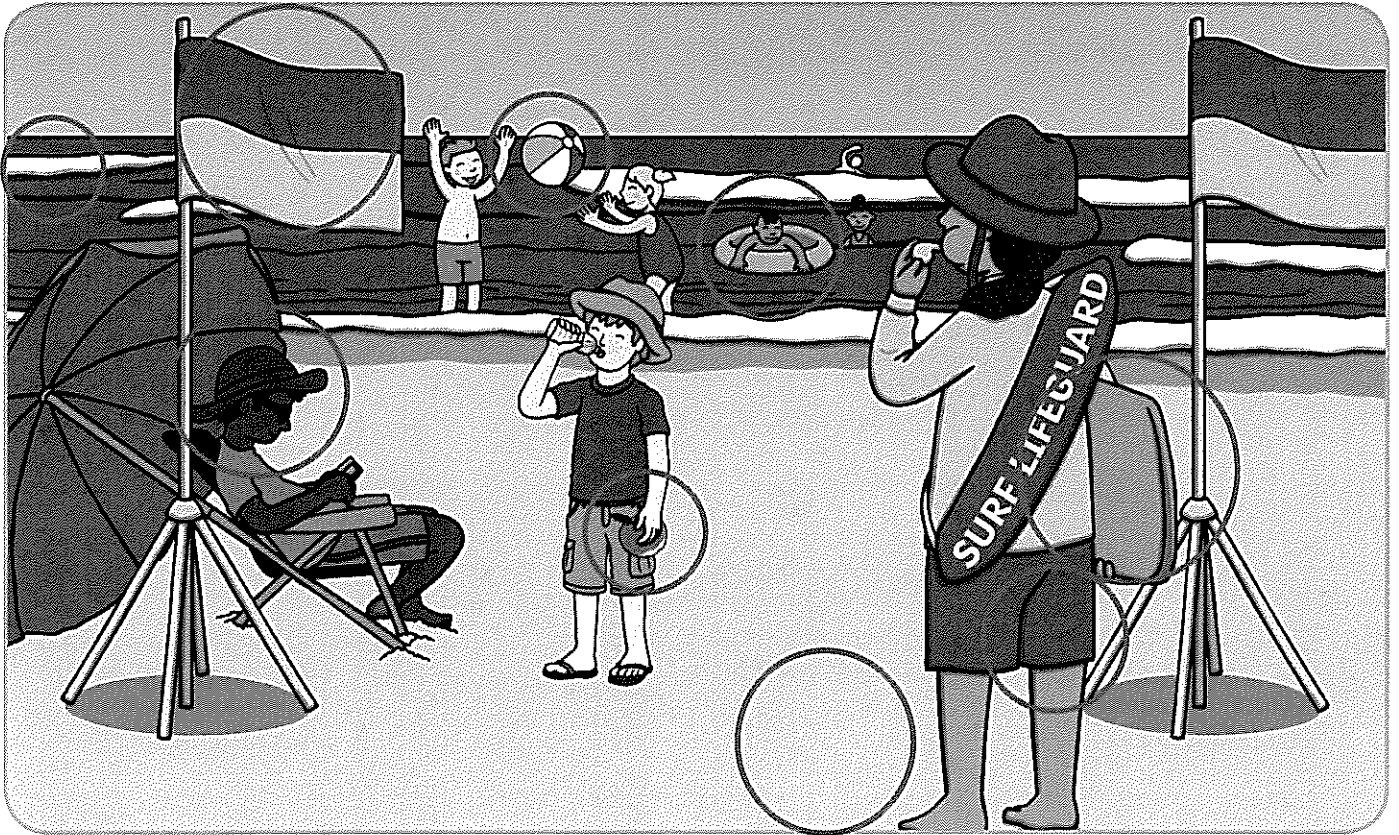
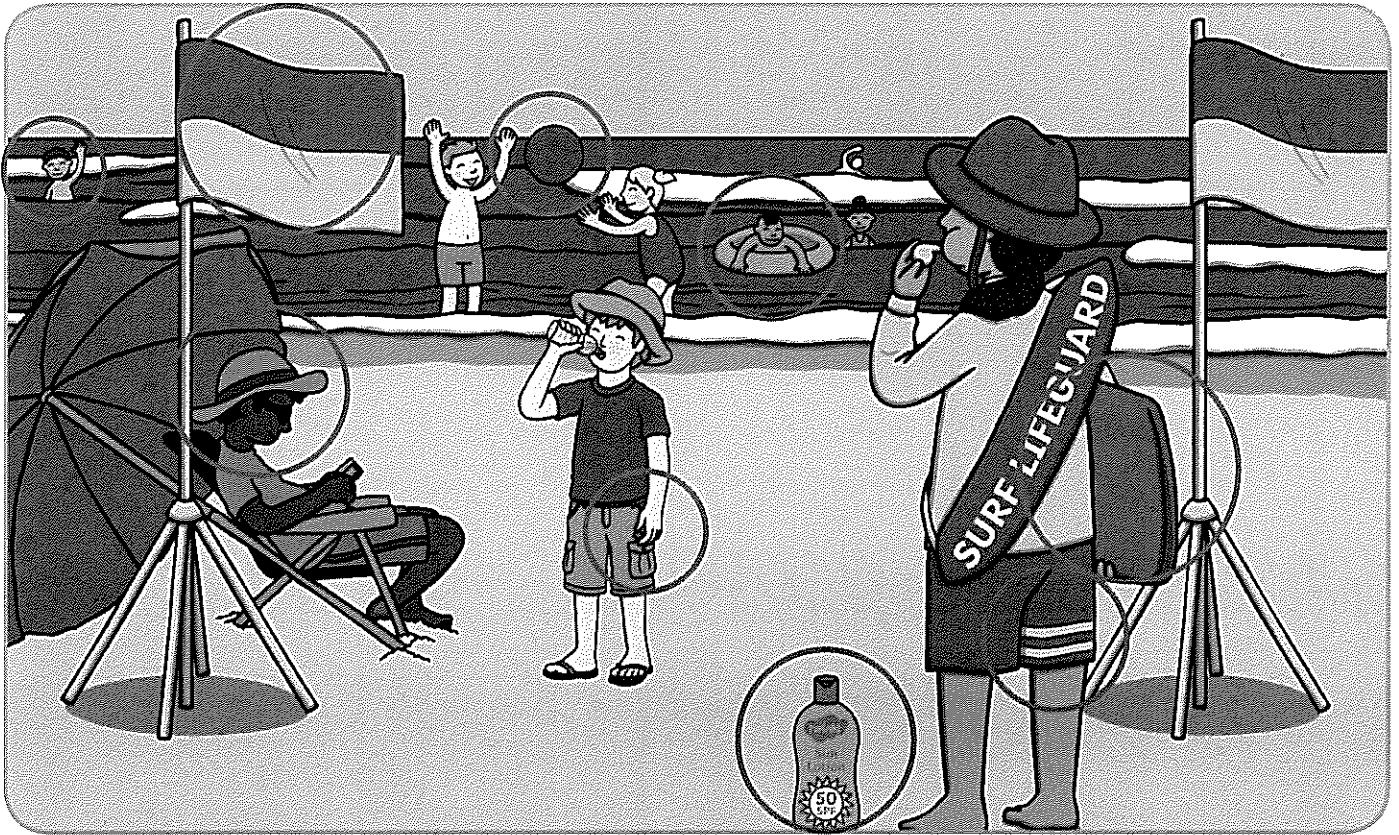
# Beach Safety Spot the Difference

There are 8 differences in the pictures below. Can you find them? Circle them in red.



# Beach Safety Spot the Difference

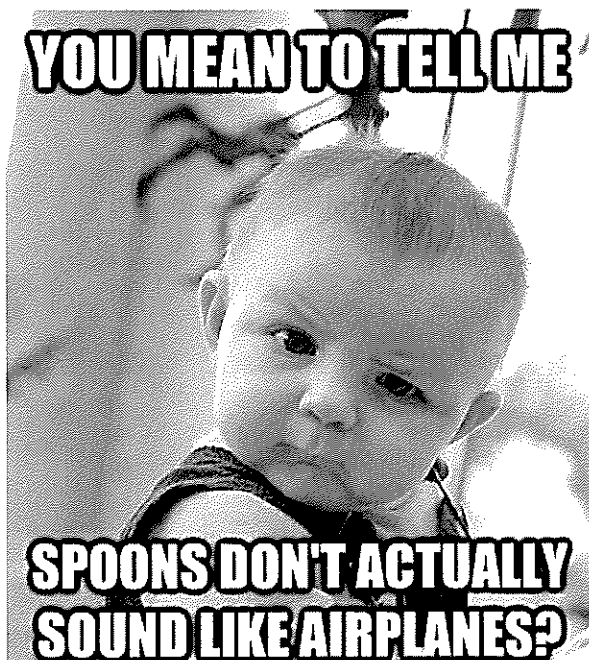
## Answers



# Create a funny meme.

What are Memes? Memes have become quite popular in the last couple of years. Funny memes for kids essentially consist of a picture with words on the picture that give you a good chuckle. They are usually spread through social media or text and are a way to express a political or cultural idea in a funny way.

Your task is to use the images on the following slides to create your own funny meme. I have out an example on the first slide for you.



Write your text here.



Write your text  
here.





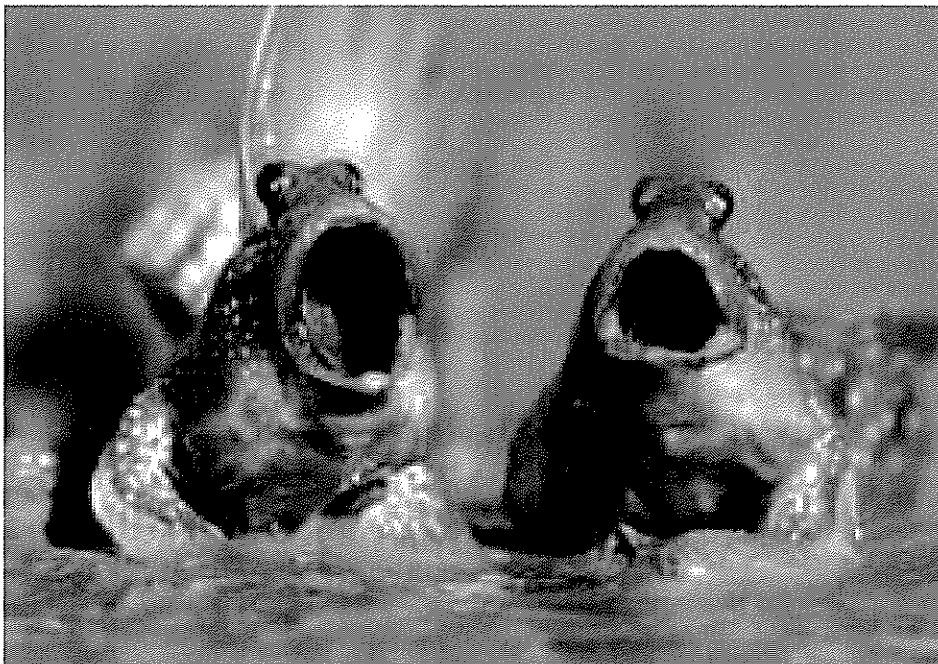
Write your text here.



Write your text here.



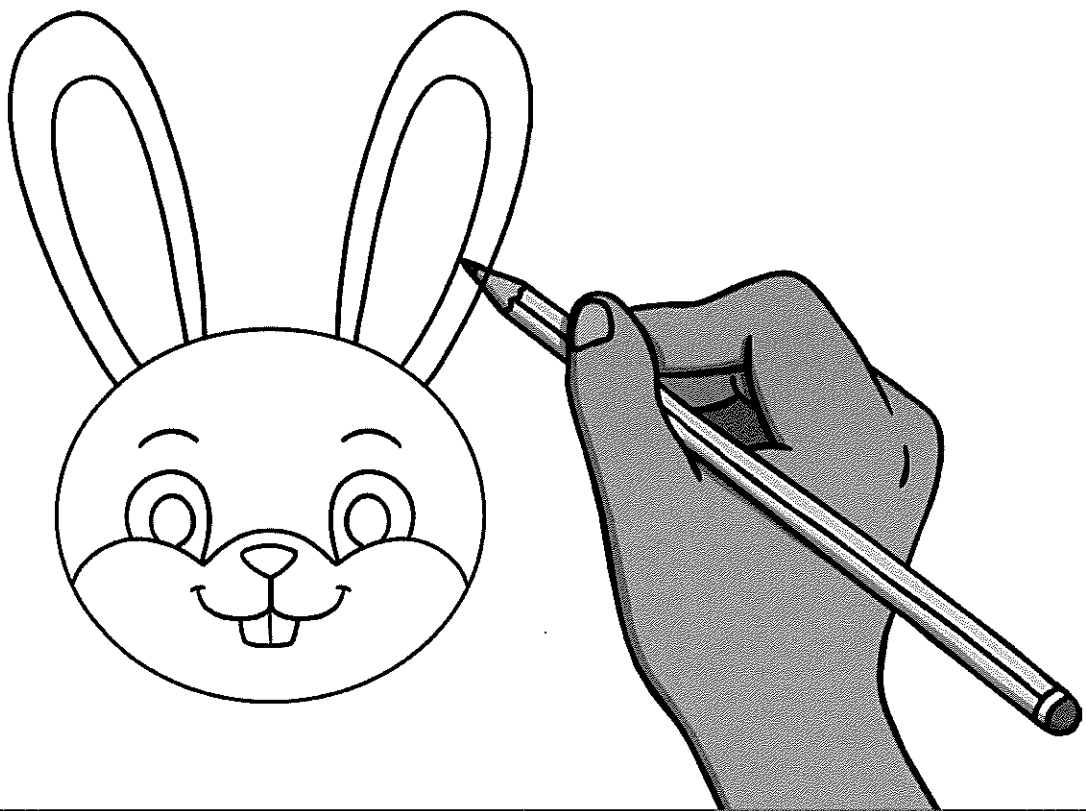
Write your text here.



Write your text here.

## Pet Portrait

Create a portrait of your pet. You might choose to create a collage or paint a picture or even sculpt with playdough! It's up to you.



**A portrait is a picture of someone showing their face as the main focus of the picture.**



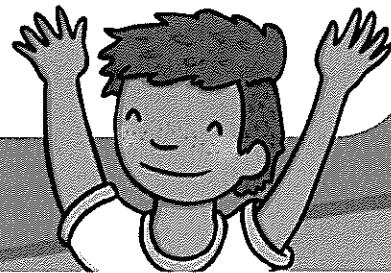
# Encouraging Phrases

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

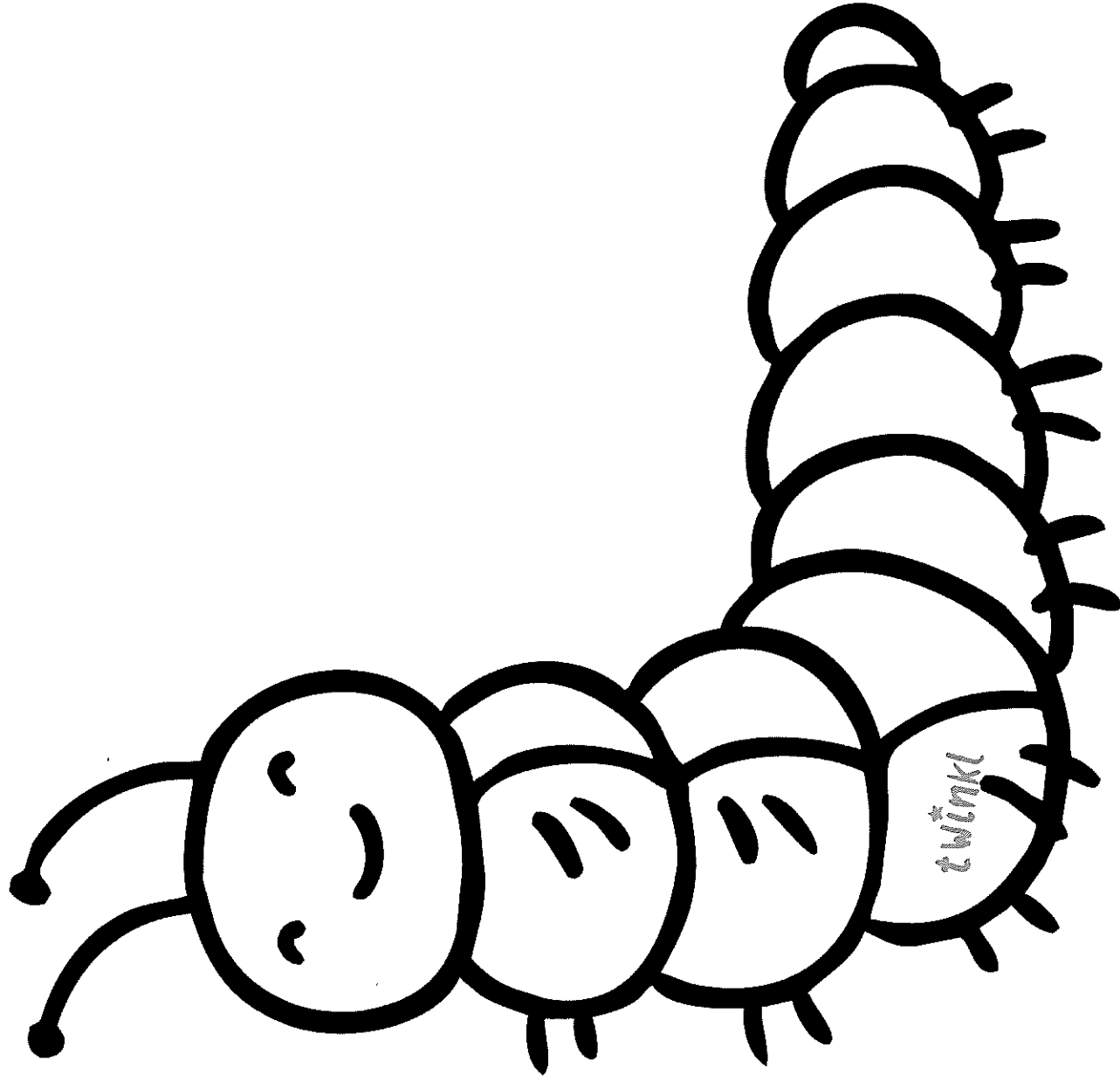
keep trying  
you can do it  
be brave  
way to go

good thinking  
wow  
fantastic  
super

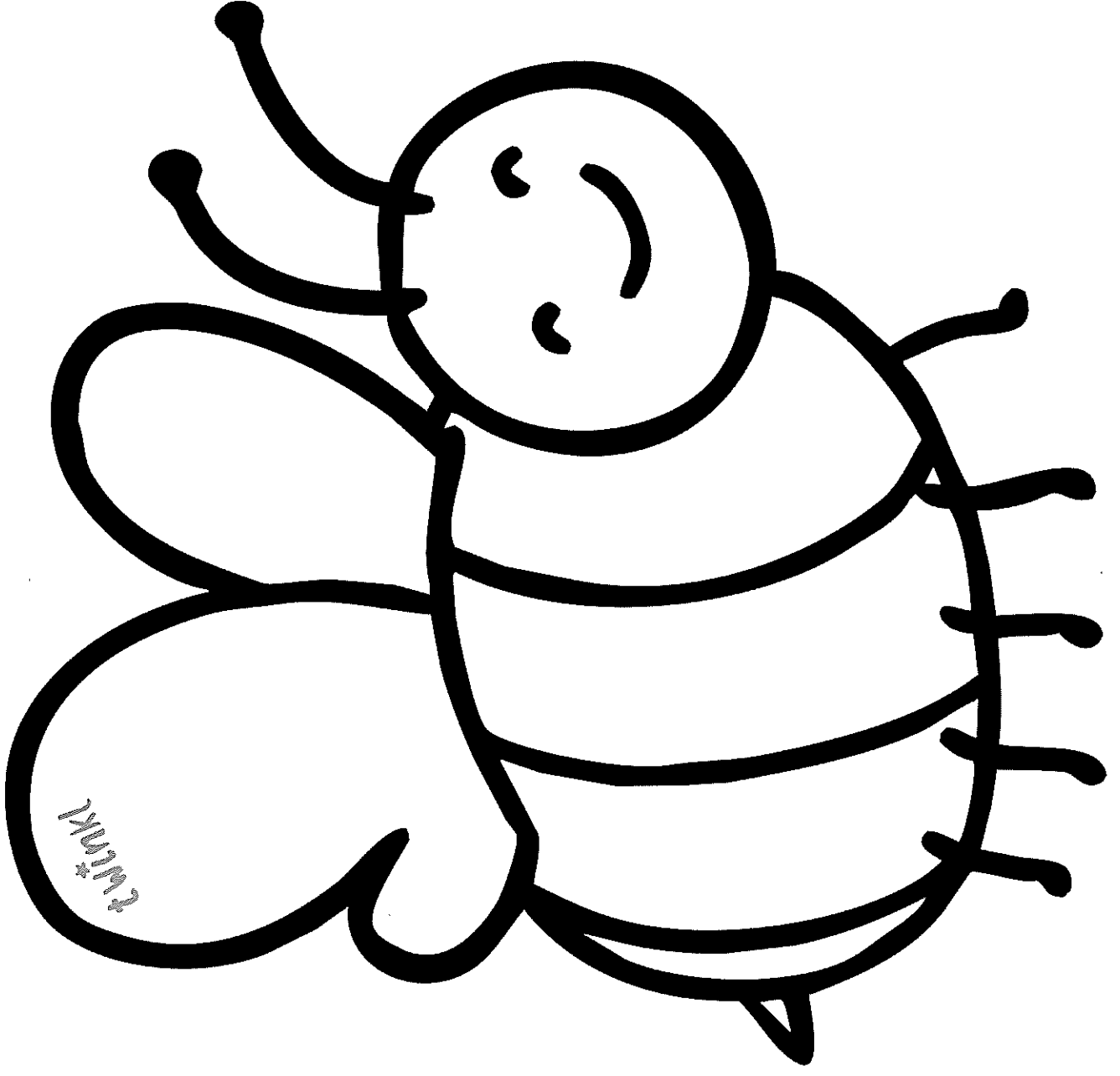
that is great  
nice going



Caterpillar



Bee



# The New Year's Eve Mystery of the Marshmallow Muncher Maths Game

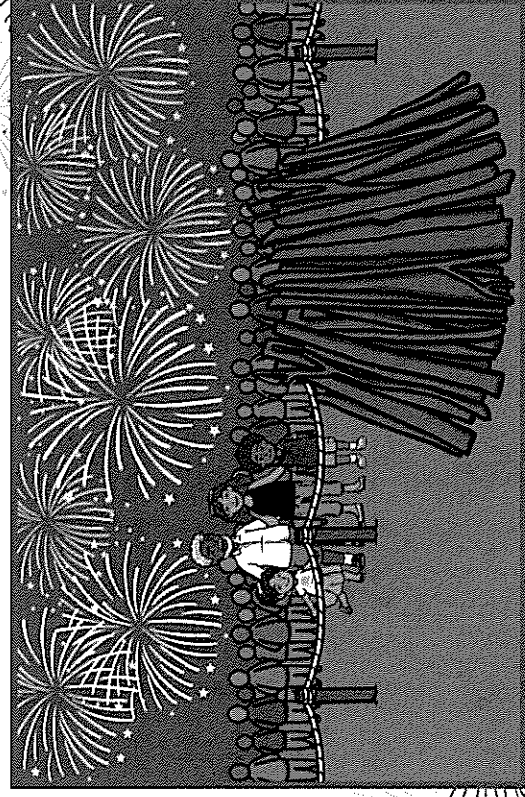
The children from the Fun Outdoors Group of Fawkes Town are planning a fabulous New Year's Eve party. They have been very busy planning the party. All the fireworks and delicious food are ready to go. Now, they have gathered at the park ready for the bonfire to be lit.

But oh no! Disaster has struck! Someone has sneaked into the food tent and eaten all the marshmallows, which were ready for toasting over the fire!

Who is the mysterious marshmallow muncher? Who is the bonfire party, party pooper?

Your mission is to use the descriptions of the suspects and solve the maths clues, to find out who the greedy guzzler of moreish marshmallows is!

Good luck!



## Descriptions of the suspects

Name	Male or Female	Type of Hat	Colour of Gloves	Age	Favourite Type of Firework
Anton	male	cap	black	10	Catherine wheel
Beatrice	female	beret	red	8	fizzing fountains
Christy	female	beret	black	10	Roman candle
Dan	male	beanie	none	11	fizzing fountains
Eddie	male	none	black	10	rockets
Farhan	male	cap	black	9	Roman candle
Grace	female	beanie	black	10	Roman candle
Hamza	male	beret	red	10	fizzing fountains
Isabella	female	beanie	none	11	Catherine wheel
Jenny	female	cap	black	11	Roman candle
Kyle	male	cap	red	10	rockets
Liam	male	beanie	none	11	Catherine wheel
Matt	male	beanie	grey	8	fizzing fountains
Nawal	male	none	none	11	Catherine wheel

Descriptions of the suspects

Name	Male or Female	Type of beret	Colour of Gloves	Age	Favourite Type of Firework
Olivia	female	cap	red	8	Roman candle
Paulina	female	beanie	black	10	fizzing fountains
Rayna	female	cap	black	10	fizzing fountains
Shen	male	beanie	black	10	Roman candle
Tiffany	female	woolly	red	11	fizzing fountains
Usman	male	cap	black	10	rockets
Vincent	male	cap	grey	10	fizzing fountains
Will	male	beanie	black	11	Catherine wheel
Yasemin	female	none	black	10	rockets
Zoe	female	beanie	red	9	Roman candle
Zach	male	woolly	black	8	fizzing fountains

Clue 1: Firework Frenzy

Fill in the missing numbers in each row.

Find the numbers in each of the fireworks below.

Make a sentence using the words to solve the first clue.

12

13

15

15

14

12

11

10

7

11

13

14

16

18

20

22

21

19

Clue 1: Firework Frenzy

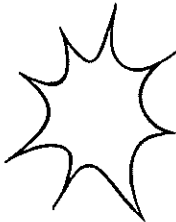
17 in	16 naughty	2 did	15 glove
9 dropped	5 none	18 tent	20 food
7 grey	14 The	10 red	12 black
13 marshmallow	19 the	8 a	11 muncher

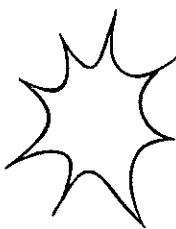
Answer: \_\_\_\_\_

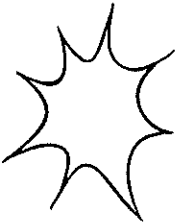
\_\_\_\_\_

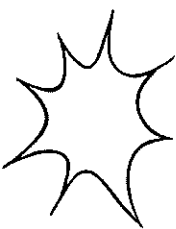
Clue 2: Sizzling Sparklers

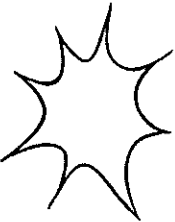
Work out these addition and subtraction number sentences.  
Put a circle around the answer which you can see the most often.  
That number will show how old the marshmallow thief is.

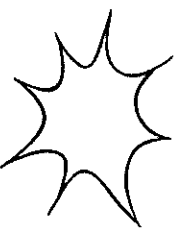
 $16 - 5 =$

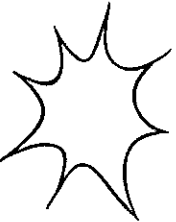
 $2 + 8 =$

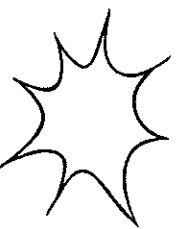
 $20 - 12 =$

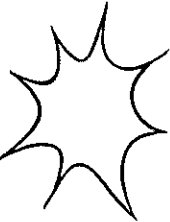
 $8 + 1 =$

 $12 - 4 =$

 $18 - 8 =$

 $5 + 5 =$

 $10 + 1 =$

 $5 + 4 =$

Answer: The marshmallow thief is \_\_\_\_\_ years old.

### Clue 3: Bangers and Burgers

Match up the totals in the purses with the different foods costing that amount.  
Then use the letters to spell the answer to solve clue number three.


Answer: \_\_\_\_\_

### Clue 4: Favourite Fireworks

What are the culprit's favourite fireworks?  
Work out the firework which is made from the following shapes.

two rectangles	three squares	one pentagon	one triangle
Favourite firework: Rocket <input type="checkbox"/>	Favourite firework: Fizzing fountains <input type="checkbox"/>	Favourite firework: Roman candles <input type="checkbox"/>	Favourite firework: Catherine wheel <input type="checkbox"/>

The culprit's favourite fireworks are: \_\_\_\_\_

### Clue 5: A Bonfire Maze

Count in 2s to pass through the maze and solve the final clue to find out what type of hat the marshmallow thief wore. The multiples of 2 must be next to each other. You can only move; down, left and right.

start	2	4	5	6	7	8	9
1	3	6	7	8	9	11	20
12	4	8	10	11	12	13	14
6	5	2	12	13	14	15	16
7	12	3	14	16	9	8	7
8	14	20	16	18	19	26	30
10	12	23	5	20	22	4	28
15 none	13	26 baseball	18	10	24 beanie	19	30 woolly

The culprit was wearing a \_\_\_\_\_ hat.

Have you worked out who the marshmallow muncher is?

Thursday

Name: \_\_\_\_\_ Class: \_\_\_\_\_

# Make Your Own Happiness - Activity Instructions

*"Sometimes ice-cream melts.*

*Still, happiness is found in little things.*

*Storms pass.*

*Puddles beckon"*



**Safety advice:** Make sure to clear your space before you begin dancing. Check for slippery floors or rugs, socks, shoes or sharp edges which could make you hurt yourself.

**Step 1.** Read Where Happiness Hides.

**Step 2.** In this story, along with things that make them happy, the kids list some things that make them sad sometimes. But they know that even something sad like a rainstorm can leave something good behind, like puddles to splash in.

Make a list of some ways you can change your mood and make yourself happy when you're feeling down.

**Step 3.** One of the best ways to change your mood is to get moving.

Grab your favourite CD or look through YouTube for a happy, bouncy song that really gets you moving.

**Step 4.** Once you've chosen your song, listen to it while thinking of some dance moves.

I Like To Move It is good for some inspiration.

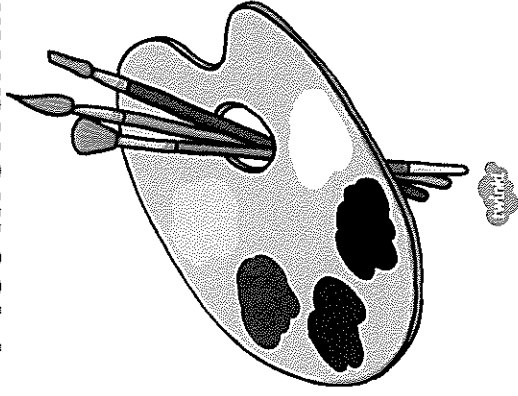
**Step 5.** When you've practised heaps, record your dance routine. Remember to have fun and smile!

## Taking It Further

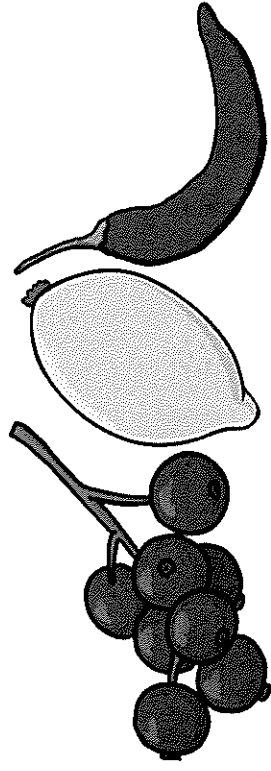
Create a poster featuring pictures and words of all the things that make you happy. Stick it up somewhere visible so when you're feeling sad, you can go and look at this poster and remind yourself of how to get happy again!



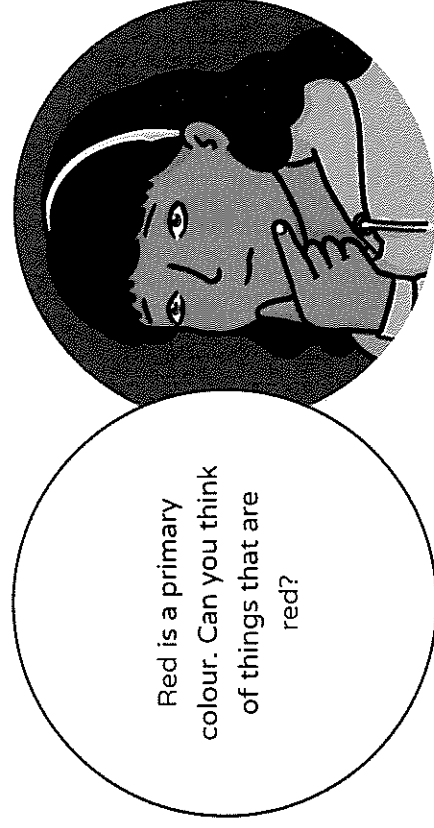
## Piet Mondrian



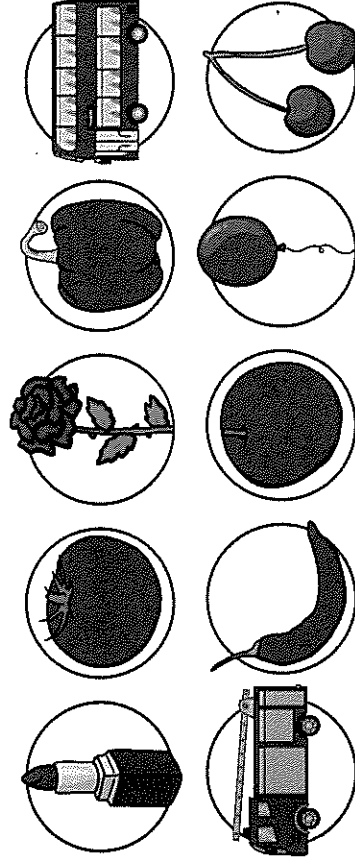
## Primary Colours



## Red



## Red

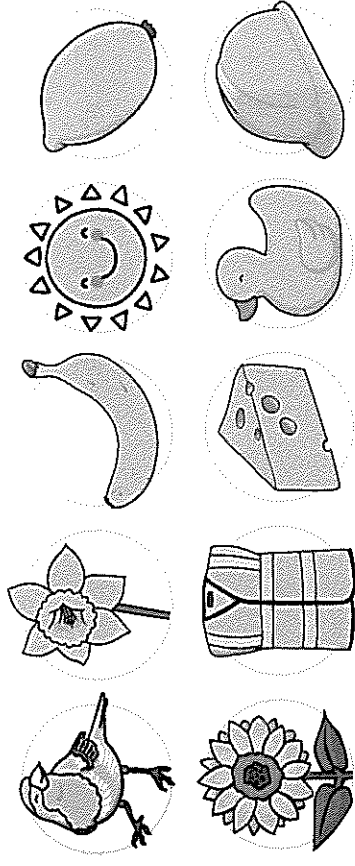


Yellow



Yellow is a primary colour. Can you think of things that are yellow?

Yellow

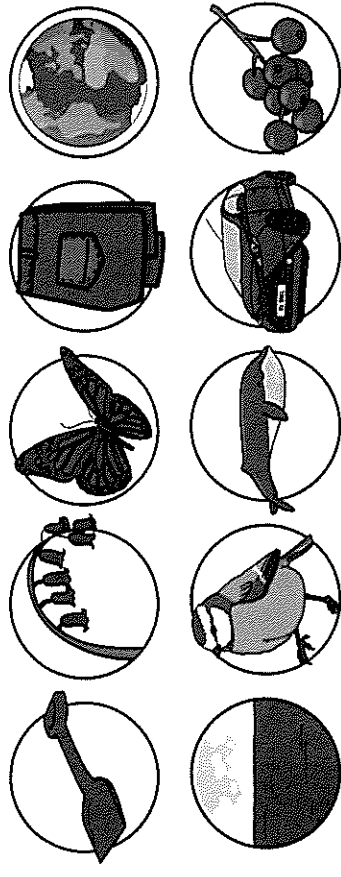


Blue



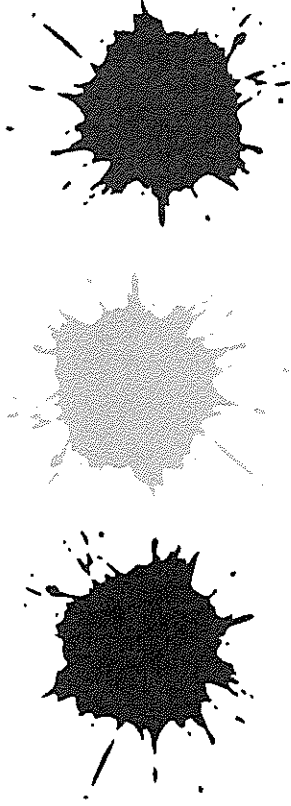
Blue is a primary colour. Can you think of things that are blue?

Blue



Red, *yellow* and blue are the primary colours.

Primary colours can't be made by mixing any other colour.



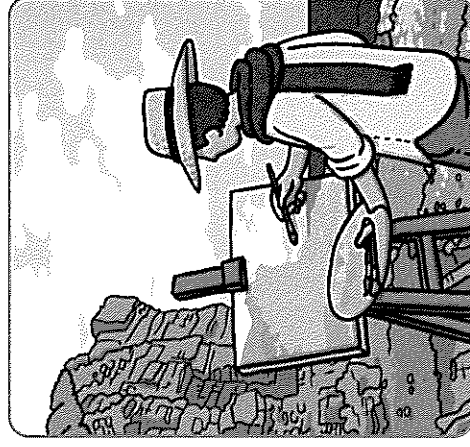
## All About Piet Mondrian

(1872 - 1944)  
Dutch

**Piet Mondrian** was born in the Netherlands in 1872. His father and uncle were both artists so he was introduced to art at a very young age.

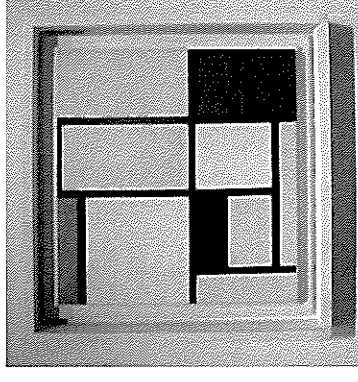
Mondrian's first job was as a teacher but he enjoyed painting at the same time.

His first paintings were called 'landscapes', which means that he painted things he could see in the countryside around where he lived.



## Piet Mondrian

Piet Mondrian was an artist who liked to use primary colours.



Composition No. III  
by Piet Mondrian

## All About Piet Mondrian

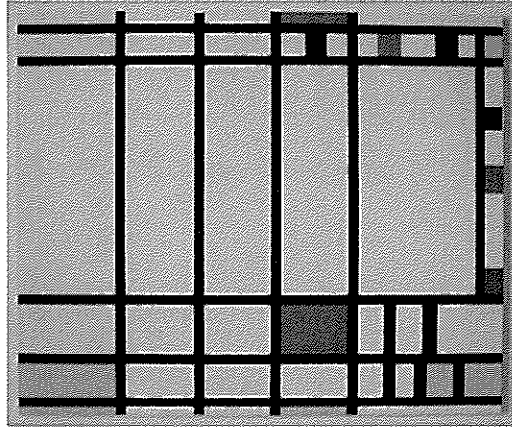
(1872 - 1944)  
Dutch

Over time Mondrian became interested in abstract art. Abstract art doesn't show pictures of things but uses colours, lines and shapes to express how the artist is feeling.

Mondrian liked to paint using the primary colours with black lines and white spaces.



Self Portrait (c1900)  
by Piet Mondrian

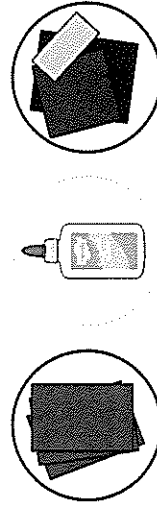


**Trafalgar Square (1939 – 1943)**  
by Piet Mondrian

## Make a Mondrian Collage



You will need...



1. Choose some squares and rectangles in primary colours.
2. Arrange your shapes on the card until you get a picture that you like.
3. Be sure to leave spaces between the shapes to make some black lines on your finished picture.
4. Carefully stick your shapes down with glue.

## Looking at Abstract Art: Trafalgar Square (1939 – 1943)



What do you see when you look at this painting?

How has this painting been made?

What kind of colours does Mondrian use?

How would you describe these colours?

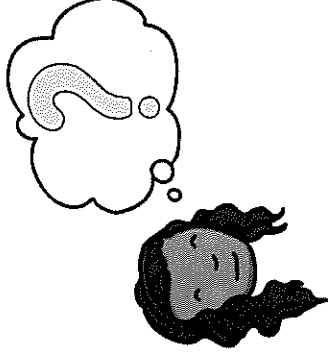
What shapes can you see?

What kind of lines can you see?

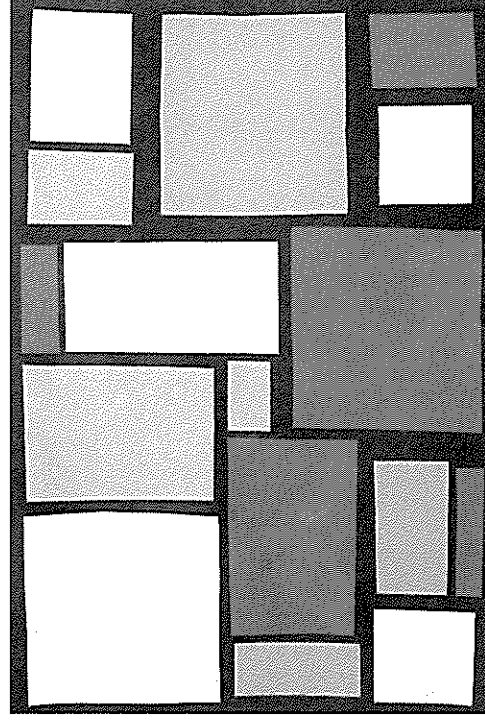
How do you think Mondrian was feeling when he painted this?

How does the painting make you feel?

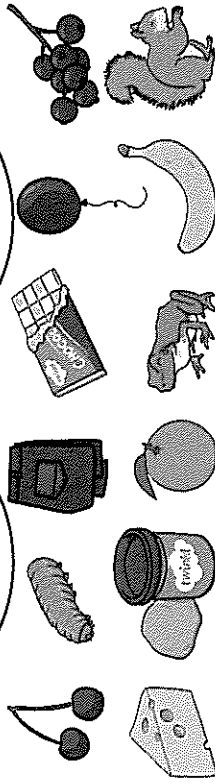
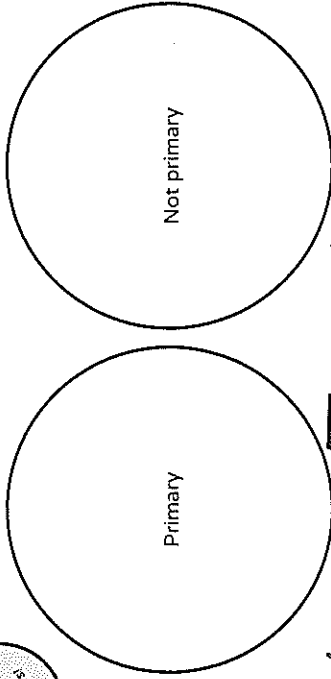
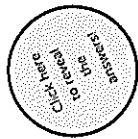
Do you like it? Why?



## What a good Mondrian collage looks like...



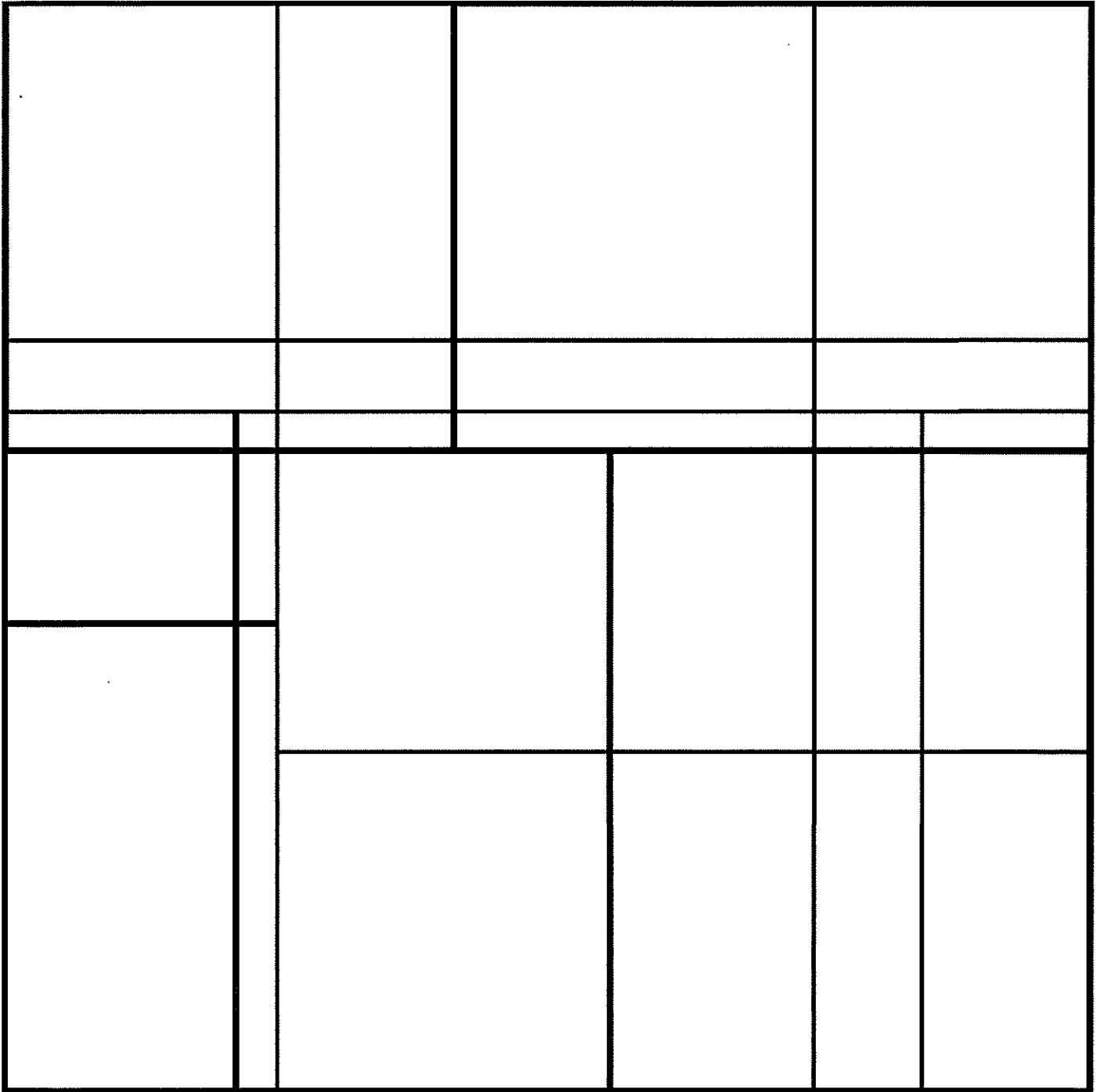
# Can you sort the objects?



# Mondrian Colouring Sheet

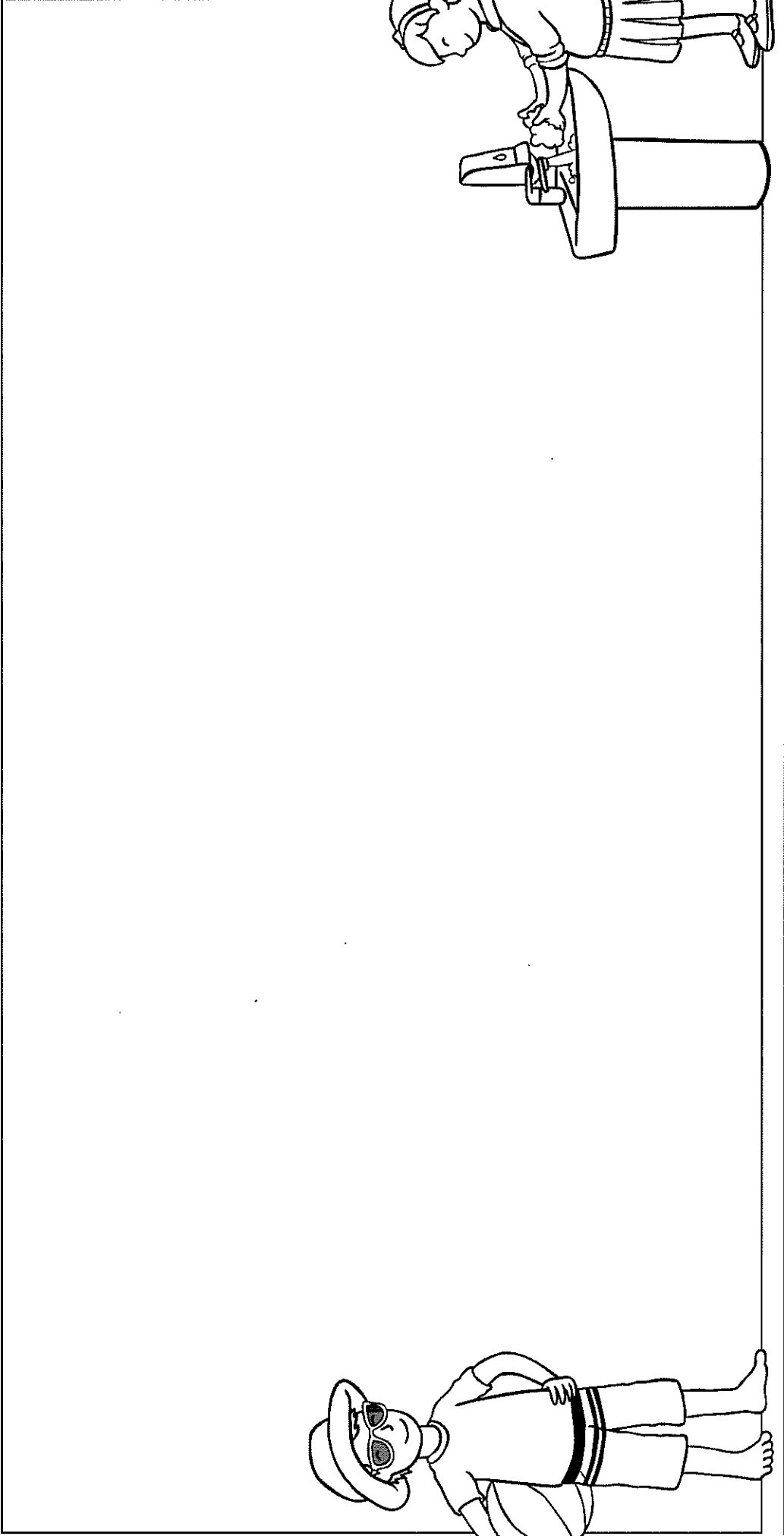


Colour in the Mondrian style shapes below. Consider the colours that you use. What colours did Mondrian choose in his artwork?



# Looking after Yourself

There are lots of different things we need to do to look after ourselves. How do you look after yourself? Draw a picture in the box to show a way of looking after yourself.



# Looking after Yourself

There are lots of different things we need to do to look after ourselves. How do you look after yourself? In each box, complete the sentence and draw a picture to show different ways of looking after yourself.

To look after yourself, you  
should ...

To look after yourself, you  
should ...

To look after yourself, you  
should ...

# Looking after Yourself

There are lots of different things we need to do to look after ourselves. How do you look after yourself? Can you draw a picture in each box to match the sentence?

To look after yourself, you need to talk to others about how you are feeling.

To look after yourself, you need to eat a balanced diet.

To look after yourself, you need to do some exercise.

To look after yourself, you need to look after your personal hygiene.

To look after yourself, you need to think about what you wear.

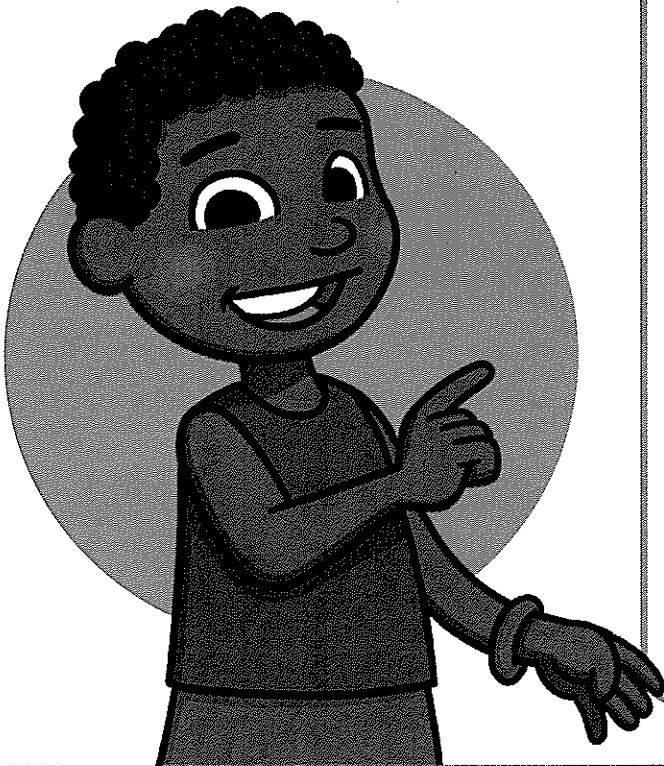
To look after yourself, you need to rest and sleep.

## Spelling Word Puzzle

Name:

**Word Count:**

S	D	E	H
H	U	L	J
D	A	D	G
V	T	F	O



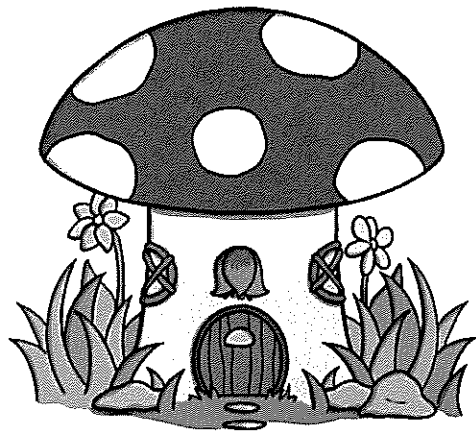


## Pet Palace Design

**What do you think would be your pet's dream home?**

Would it be a big fluffy blanket over a comfy cushioned bed?

A cozy kennel with their name at the top?



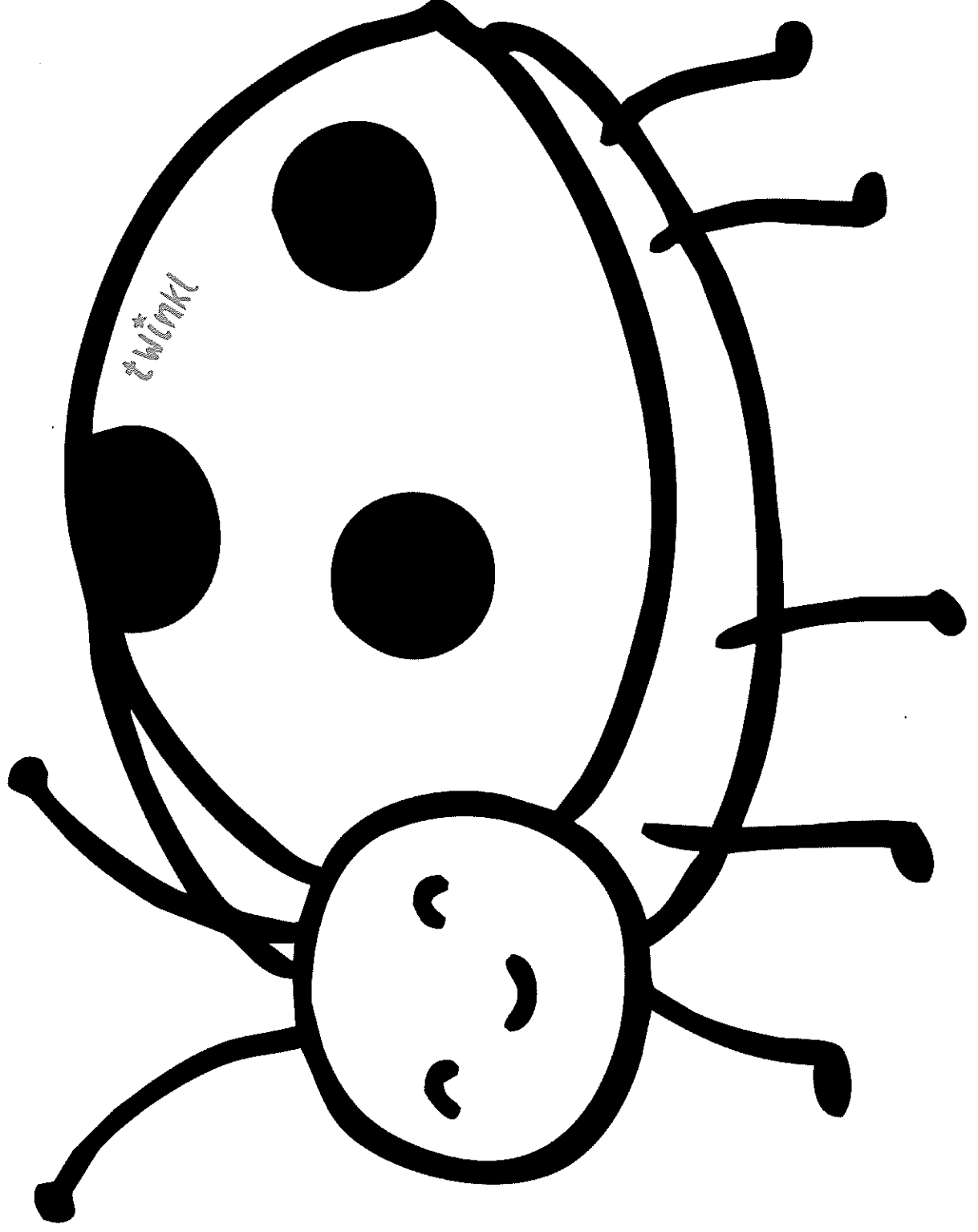
A big tank of clean water filled with colourful pebbles and glittery seaweed?

A giant palace with tunnels and different places to hide in?

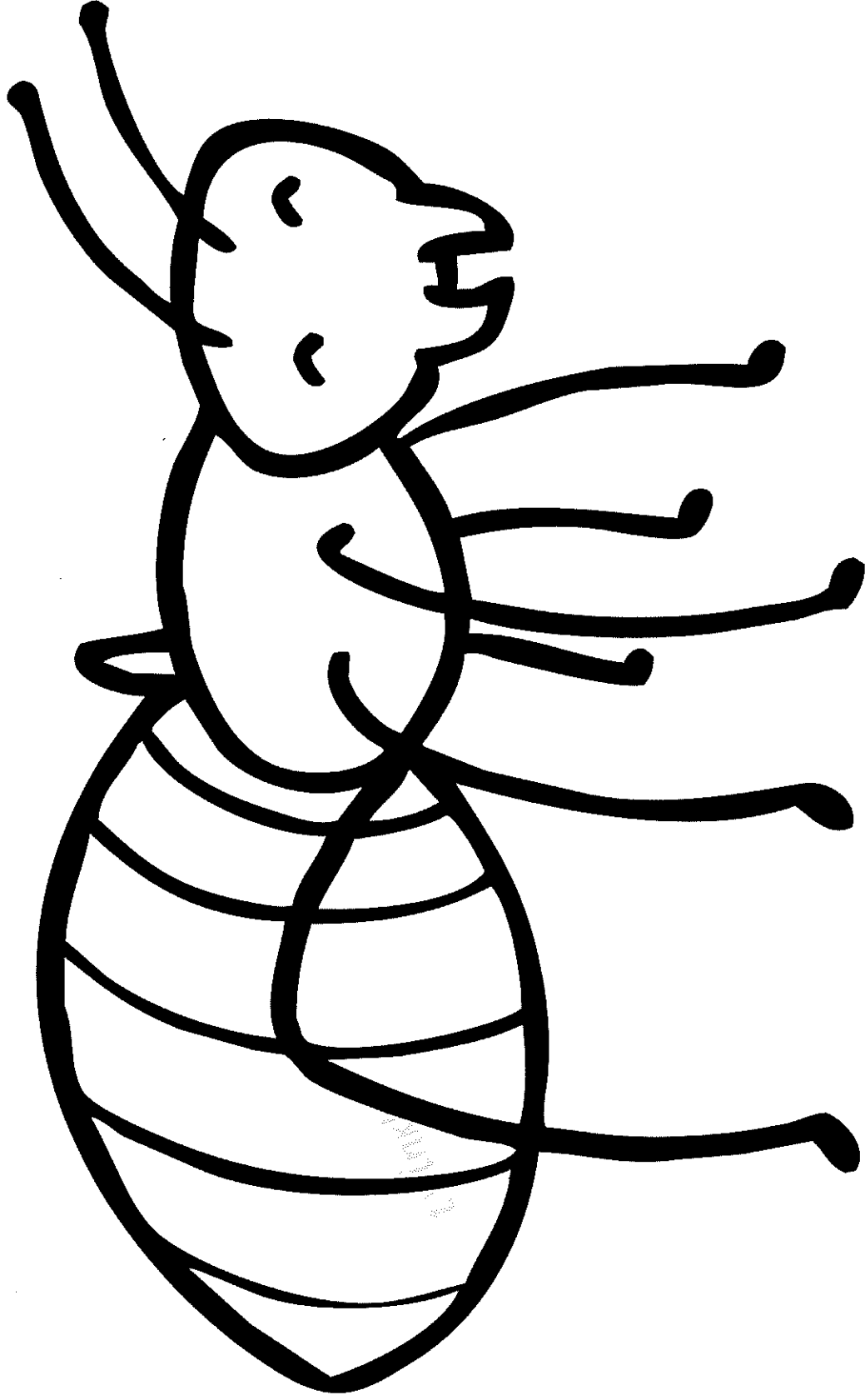
**Whatever you think would best suit your pet, draw a picture of it and label your design to point out all of its most important features.**



Ladybug

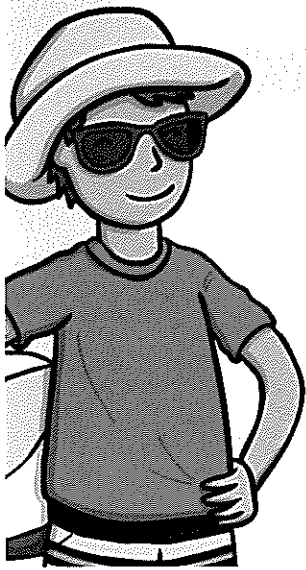


Ant



# Sun, Sea and Beach Safety

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



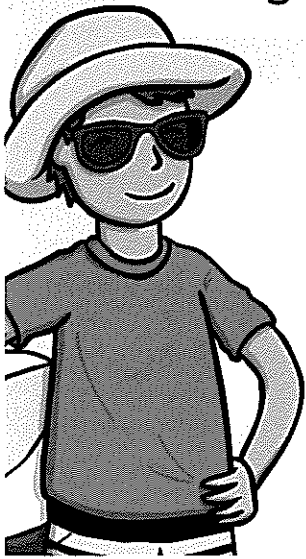
beach  
sun  
sea  
safety  
lifeguard

flags  
protect  
water  
hat  
skin



# Sun, Sea and Beach Safety

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



beach  
sun  
sea  
safety

lifeguard  
protect  
water  
hat

skin  
flags  
danger  
swim



# Hundred Square Challenge

Choose a challenge square from the outside of the number board and then answer the question!

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

Pick a blue number and times it by 3.

Pick a green number and divide it by 2.

Pick an orange number and add a pink number to it.

Pick a yellow number and subtract a red number from it.

Pick a blue number and subtract 7.

Pick a pink number and subtract a blue number from it.

Pick a pink number and divide it by 4.

Pick a red number and subtract an orange number from it.

Pick a purple number and times it by 8.

Pick an orange number and subtract 10.

Pick a blue number and a red number and add them together.

Pick a blue number and subtract 9.

Pick an orange number and add 13.

Pick a green number and times it by 8.

Pick a red number and times it by 5.

Pick a purple number and times it by a yellow number.

Pick a yellow number and subtract 6.

Pick a red number and an orange number and add them together.

Pick a red number and add 12.

Pick a pink number and subtract 4.

Pick an orange number and subtract a blue number from it.

Pick a yellow number and subtract a blue number from it.

Pick a yellow number and subtract a blue number from it.

Pick an orange number and a red number and add them together.

Pick a pink number and times it by 5.

Pick a green number and subtract a yellow number from it.

Pick a green number and a pink number and add them together.

Pick a purple number and add 7.

Friday

## Spelling Word Puzzle

**Word Count:**

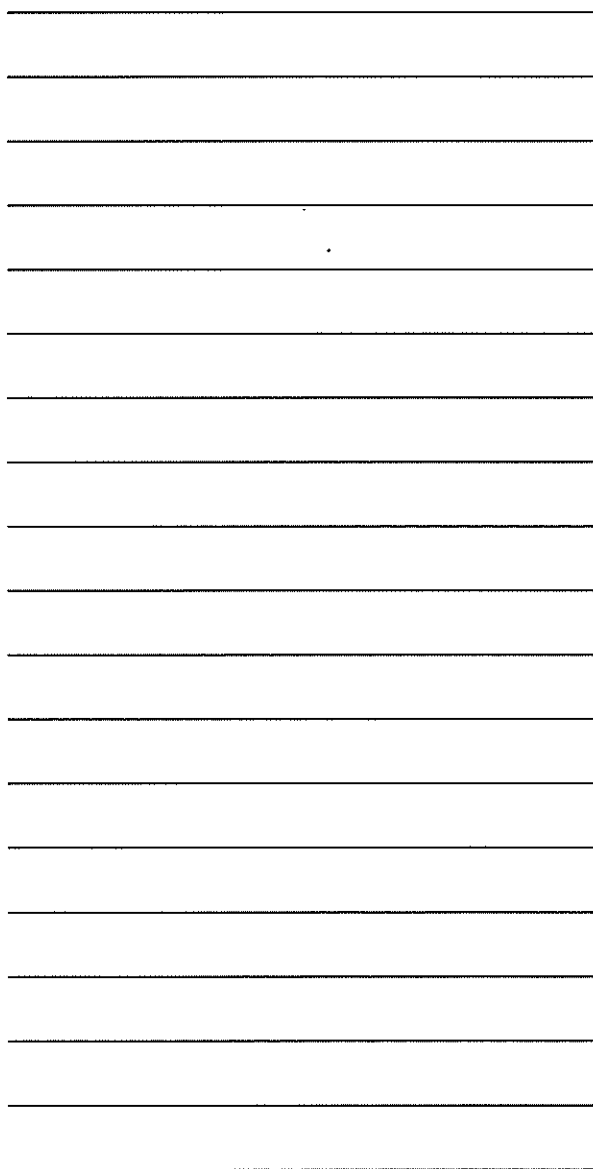
M	B	F	N
R	A	S	G
C	T	P	O
M	O	T	D

[illegible]

## Spelling Word Puzzle

**Word Count:**

# E



# Jogging on the Spot

Jog on the spot and try your best to keep in the same place.



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# Jogging

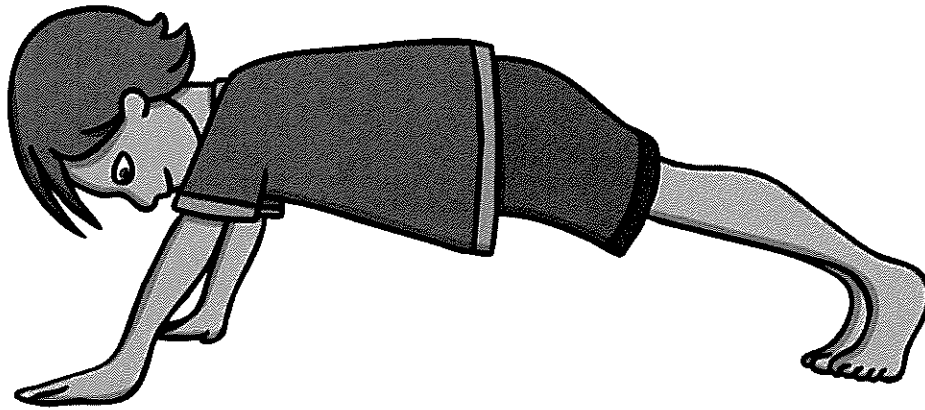
Jog from one point to another and try your best to keep the same pace.



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# Plank

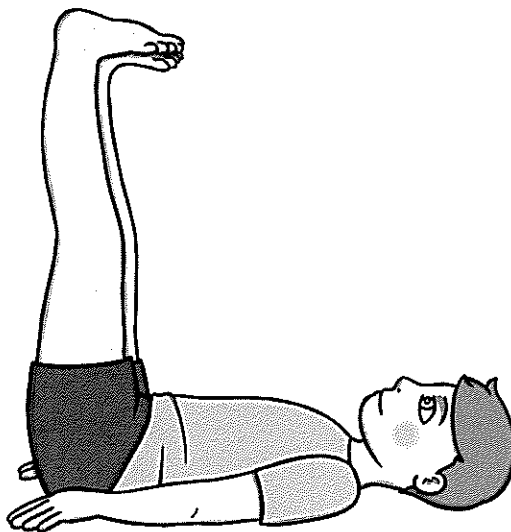
Hold your body in the plank position for as long as you can. Take a rest when you need to.  
You can put your knees on the floor to make the move easier.



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# Leg Raises

Lie on your back and slowly raise one leg. Lower your leg slowly back down to the floor.  
Repeat with the other leg.



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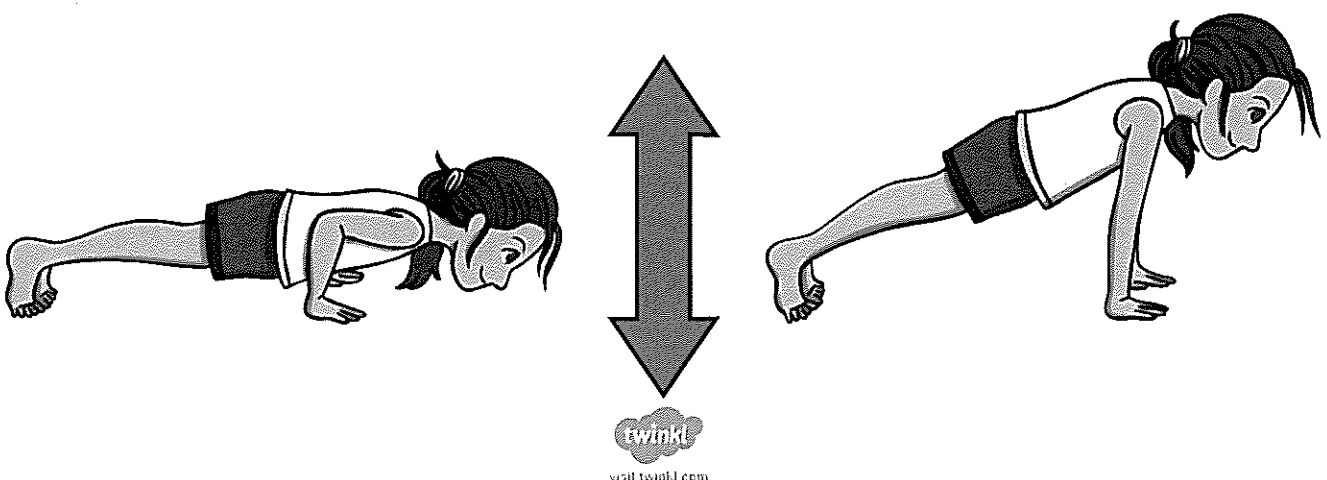
# Ladder Run

One at a time, jog up the ladder, placing both feet into each space as you go.  
To make it more challenging, you could step outside the ladder and back in at each space.  
Try to keep your toes pointed and your legs straight.



# Press-Ups

You can put your knees on the floor to make the move easier.

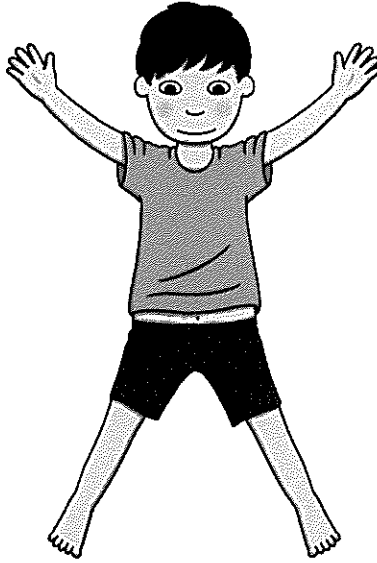


# Burpees

Try to maintain the same pace completing burpees. Try to keep your toes pointed and your legs straight.

## What is a burpee?

Standing with your feet at shoulder width apart, bend from the knees and place both palms on the floor. Place your right foot back and then your left foot so that you are in a plank position. Bring your right leg and then left leg back into squat position and jump. Repeat.



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# High Knees

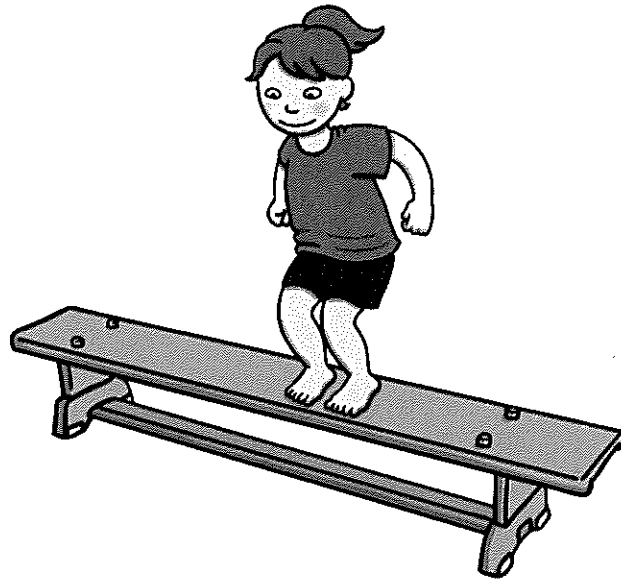
Raise each knee in front of you, one at a time, as high as you can.  
To make this more challenging, try to do this quicker.



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# Step-Ups

Carefully, step on and off the bench, one foot at a time.



## Pet Talk

**If your pet could talk to you, what do you think they would say?**

Write down at least three different things you think your pet might like to tell you. You can be as creative or as sensible as you like!

You are my  
favourite  
person

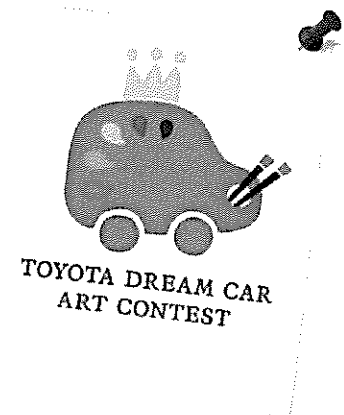


**Today is the last day of our Pet Investigation project. Make sure that all of your daily investigation activities are completed and ready to share.**



# Design Your Dream Car - Activity Instructions

In this activity, you are going to design your very own dream car. Think big, dream out of the box and send in your wild ideas for a chance to win some great prizes. We've included all the instructions for the Toyota Dream Car Art Contest at the end.



## REMEMBER:

- No idea is a bad idea - sometimes it's the little ideas that open the way to big dreams!
- Don't worry about what's possible; just focus on what you'd like to see. Some amazing ideas are born from dreams!

## Part A: Movement

**Step 1.** Do you think we will still be driving on roads in the future? What if you want to take your car over difficult terrains, like sand, mountains or the ocean? Does a car even need to have four wheels or any wheels at all?

Take some inspiration from animals in the natural world. Imagine a car with spider legs, a car that hops like a kangaroo, a slithering snake type car or a car that flies in any kind of way. You might like to list your ideas here:

Animal	Movement
<i>E.g. Spider</i>	<i>Walks on eight legs</i>
<i>E.g. Kangaroo</i>	<i>Hops</i>



Name: \_\_\_\_\_ Class: \_\_\_\_\_

**Step 2.** Grab a fresh piece of paper and fold it in half twice so that you have four rectangular spaces.

**Step 3.** Sketch a draft of four cars that move in different ways. These designs don't have to be perfect or very detailed, they're just for exploring ideas. Make sure to explain your designs using labels.

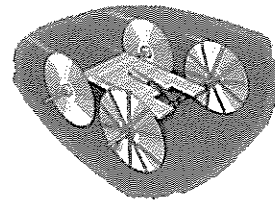
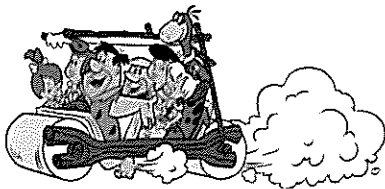
## Part B: Sustainable Power

**Step 1 (optional).** Watch this [report on the World Solar Challenge](#).

**Step 2.** Petrol, gas and diesel are non-renewable resources, which means that they will eventually run out and we won't have any more of them left on planet Earth. Yet almost all cars currently use these as a source of fuel.

Car manufacturers are already considering alternative energy sources, but we're sure you could be even more creative.

Think about some things that go into your bin. What about a car powered by banana peels, or cat litter? Remember that years ago, carriages were pulled by horses and sailboats didn't have motors. What about a pedal-powered car, or a massive wind-up propellor?



Credit: George Retseck

**Step 3.** Think about what waste products your dream car's fuel might produce. Fossil fuels (like petrol) produce carbon dioxide emissions, which pollute the air. A solar-powered car has no emissions. A banana-powered car might produce compost, and horses produce manure - both of which are great for the garden! Maybe your car could produce even more interesting 'waste', like music or somehow turning rubbish into new electronic devices as it drives.

**Step 4.** Grab a new piece of paper and fold it in half twice so that you have four rectangular spaces.

**Step 5.** Sketch a draft of four cars that are powered in different ways. These designs don't have to be perfect or very detailed, they're just to explore your ideas. Make sure to explain your design using labels.



## Part C: Sustainable Materials

**Step 1 (optional).** Read this [factsheet on natural resources](#).

**Step 2.** There are benefits to using some materials over others in our designs, and we need to consider cost and sustainability. We also have to consider the physical properties of the materials, which might make them unsuitable for our purpose. Good designers think about all these things when figuring out how their ideas might work.

Make a list of materials you might use to build your dream car. Consider and evaluate the benefits and possible challenges of using these materials in your final design.

This table will help you organise your thoughts:

Material	Benefits	Considerations	Renewable or non-renewable?
<i>E.g. Stone</i>	<i>Really strong Lots of it</i>	<i>Quite heavy</i>	<i>Non-renewable</i>
<i>E.g. Wood</i>	<i>Renewable and sustainable Looks nice Light Lots of it</i>	<i>Could catch on fire</i>	<i>Renewable</i>

**Step 3.** Grab a new piece of paper and fold it in half twice so that you have four rectangular spaces.

**Step 4.** Sketch a draft of four cars that are made of different things. These designs don't have to be perfect or very detailed, they're just to explore your ideas. Make sure to explain your design using labels.

## Part D: Positive Impact



Name: \_\_\_\_\_ Class: \_\_\_\_\_

**Step 1 (optional).** Watch this [report on an ocean rubbish clean-up device](#).

**Step 2.** So far we have been thinking about how to reduce our dream car's negative impact on the environment, but what if our dream car could also have a positive impact and help people or the environment in some way?

Think about some environmental issue around your home, school or local community. Is there a lot of litter? Maybe your dream car could have a robot arm that picks up rubbish as it drives. Are there a lot of bushfires or long droughts? Maybe your dream car could have a sprinkler to water as it drives. Maybe you want your car to do something nice, like bringing food to the elderly or helping young people stay connected with their friends in some way.

**Step 3.** Grab a new piece of paper and fold it in half twice so that you have four rectangular spaces.

**Step 4.** Sketch a draft of a feature or attachment that could be added to your dream car that will help people or the environment. These designs don't have to be perfect or very detailed, they're just to explore your ideas. Make sure to explain your design using labels.

## Part E: Look and Feel

**Step 1.** Now it's time to start thinking about the fun stuff - how your car looks. Grab a new piece of paper and fold it in half twice so that you have four rectangular spaces.

**Step 2.** Use the suggestions below to create four varied dream car designs. Good designers don't just settle on one idea - they try lots of different things and sometimes they're surprised by what they find when experimenting.

<b>Car 1</b> Colours: Red and green Design: Stripes Car shape: Square Texture: Hairy	<b>Car 2</b> Colours: Orange and blue Design: Dots Car shape: Triangle Texture: Spiky
<b>Car 3</b> Colours: Yellow and purple Design and texture: Scales Car shape: Circle	<b>Car 4 Your choice -</b> Colours: Design: Car shape: Texture:

## Part F: Create your Toyota Dream Car



Name: \_\_\_\_\_ Class: \_\_\_\_\_

**Step 1.** Think about all of the things you have considered in Parts A, B, C, D and E:

- how your car moves and looks
- what it's made out of
- what it's fuelled by
- the positive things it does for the world.

Gather up your favourite bits and pieces from the many designs you've drafted already and list them on a new piece of paper. Create some draft sketches that pull together these favourite ideas of yours. Draw a star next to your favourite.

**Step 2.** You are now going to create a finished artwork that portrays your final dream car.

Remember:

- No idea is a bad idea - sometimes it's the little ideas that open the way to big dreams!
- Don't worry about what's possible; just focus on what you'd like to see.
- You must create your dream car artwork by yourself (so no working with a friend, your siblings or your parents/caregivers).
- Your dream car must be hand-created using things like pencils, pens/markers, crayons, paints, etc. It can't be made using collage or a computer/digital device.
- It must be drawn on an A3 piece of paper (or smaller). You might like to use this [Toyota Dream Car Drawing Template](#).
- Find the contest entry information [here](#) (including dates, prizes and full terms and conditions).

**Step 3.** Write two or three sentences explaining the features of your car and why you made these choices. This will need to be submitted along with your picture.

**Step 4.** Finally, scan or take a clear photograph of your picture and submit it using the [online entry form](#).

## Taking It Further

- You could make your own propeller-powered car using this instructional video: <https://www.youtube.com/watch?v=F8-84J8vtUg>.
- You could design a poster or video advertisement encouraging people to switch to hybrid or solar-powered cars, listing the benefits of this change to the consumer and the environment.
- You could explore the history of Toyota cars using this website to get started: <https://blog.toyota.co.uk/history-of-toyota-cars>.
- You could explore some ideas for 'green' cars of the future using this website to get you started: <https://www.thoughtco.com/green-cars-of-the-future-3895640>.



# What's My Number?

Follow the clues below to figure out the number in this maths riddle.

Cross out every number that the clue eliminates.

At the end you should be left with only one number

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

## Clues

My number has two digits.

It is not divisible by 5.

The first digit is bigger than the second digit.

It is not an even number.

It is divisible by 3.

Its digits add up to 12.

The number is \_\_\_\_.



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# What's My Number?

Follow the clues below to figure out the number in this maths riddle.

Cross out every number that the clue eliminates.

At the end you should be left with only one number

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

## Clues

My number has two digits.

It is divisible by 10.

The first digit is an odd number.

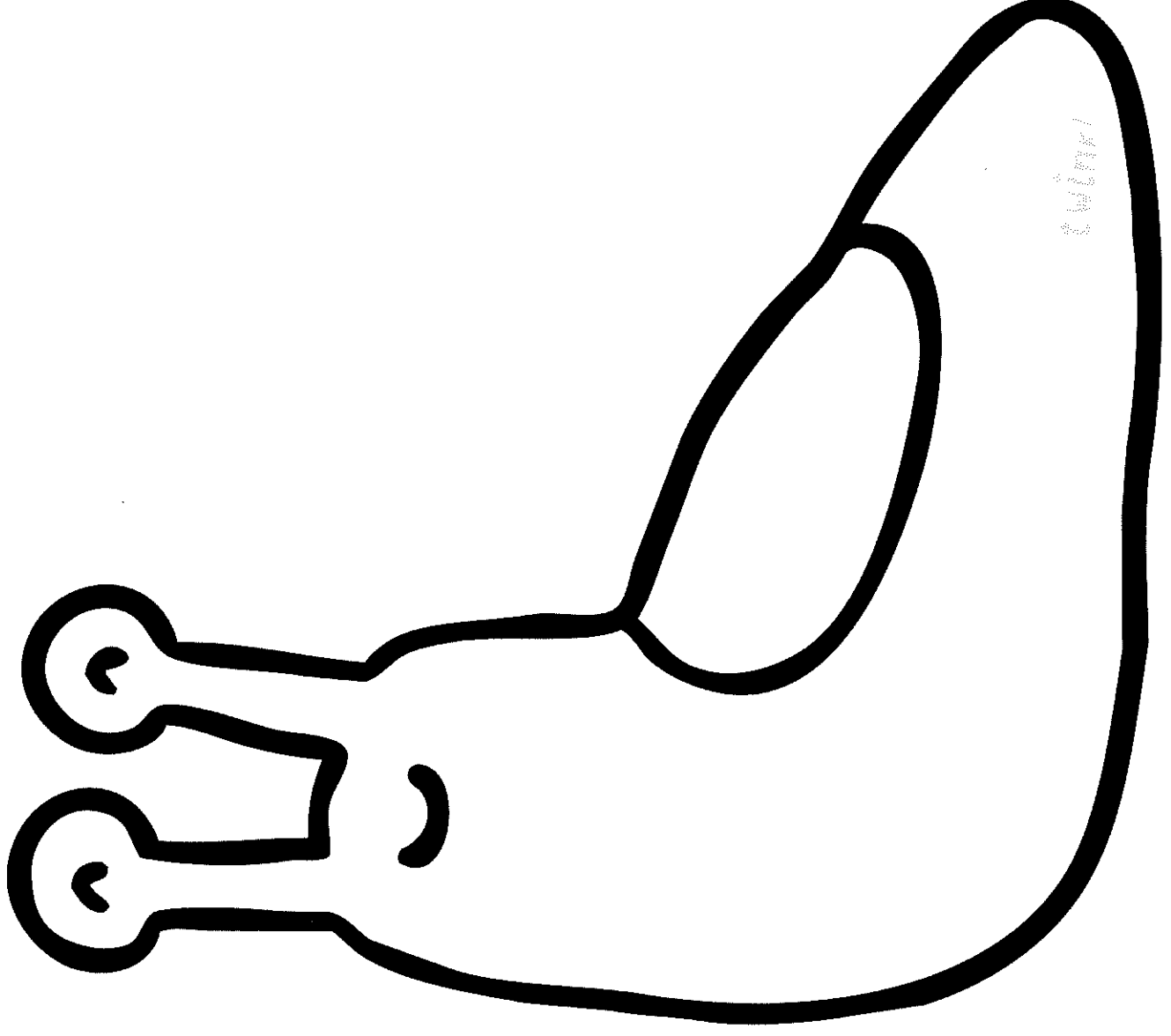
It is 30 less than 100.

The number is \_\_\_\_ .

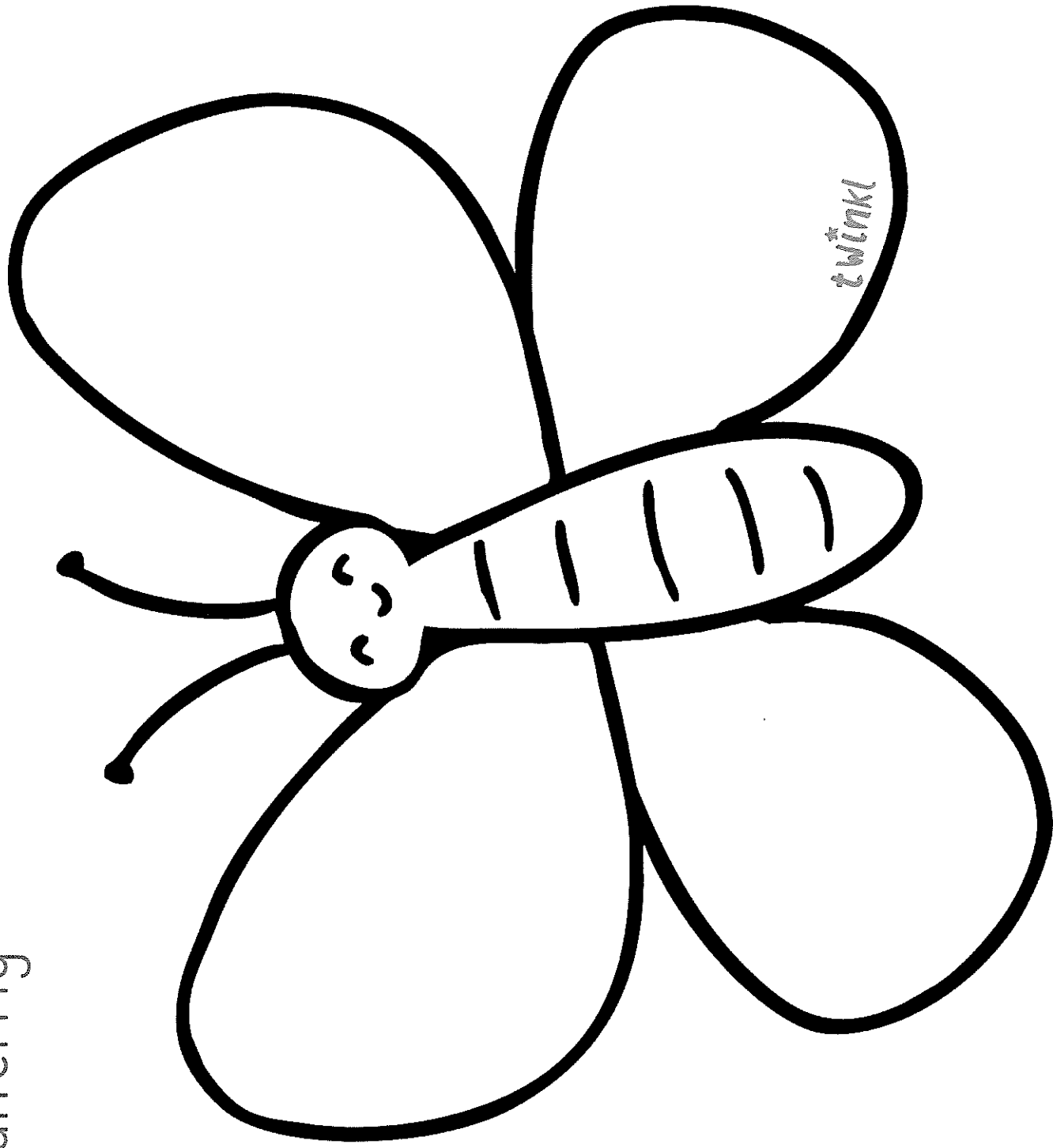


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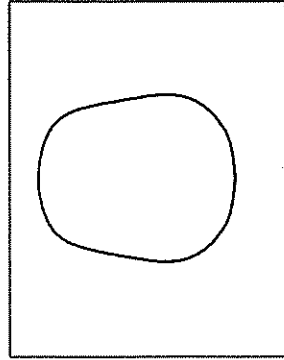
Slugs



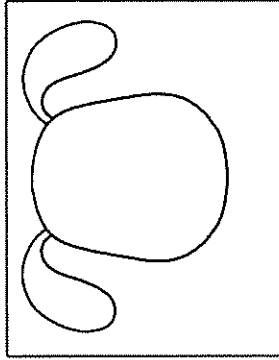
Butterfly



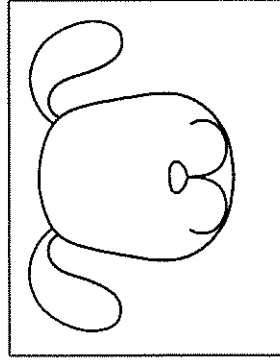
# How to Draw a Dog



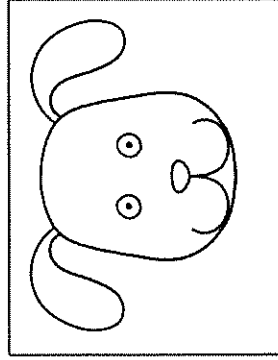
1



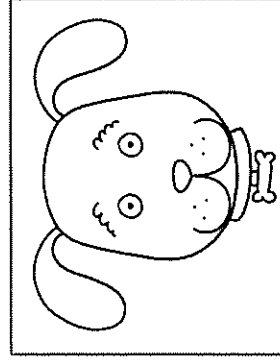
2



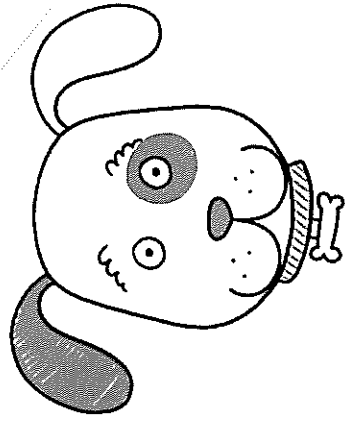
3



4

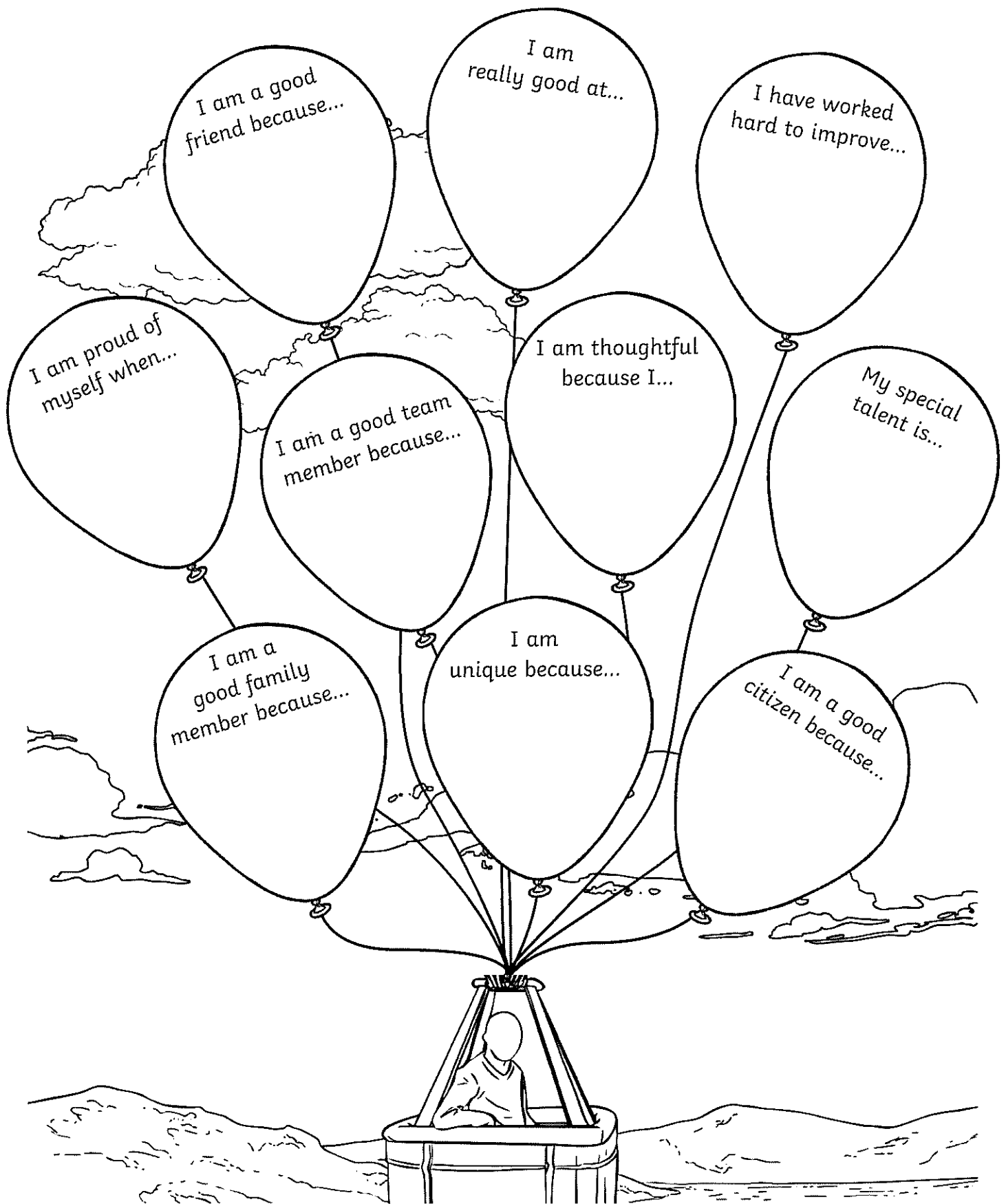


5



# I Am an Amazing Person!

Read and finish the sentences in the balloons below.

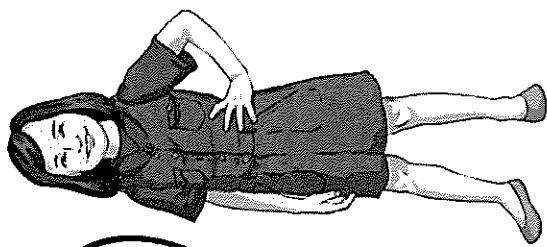
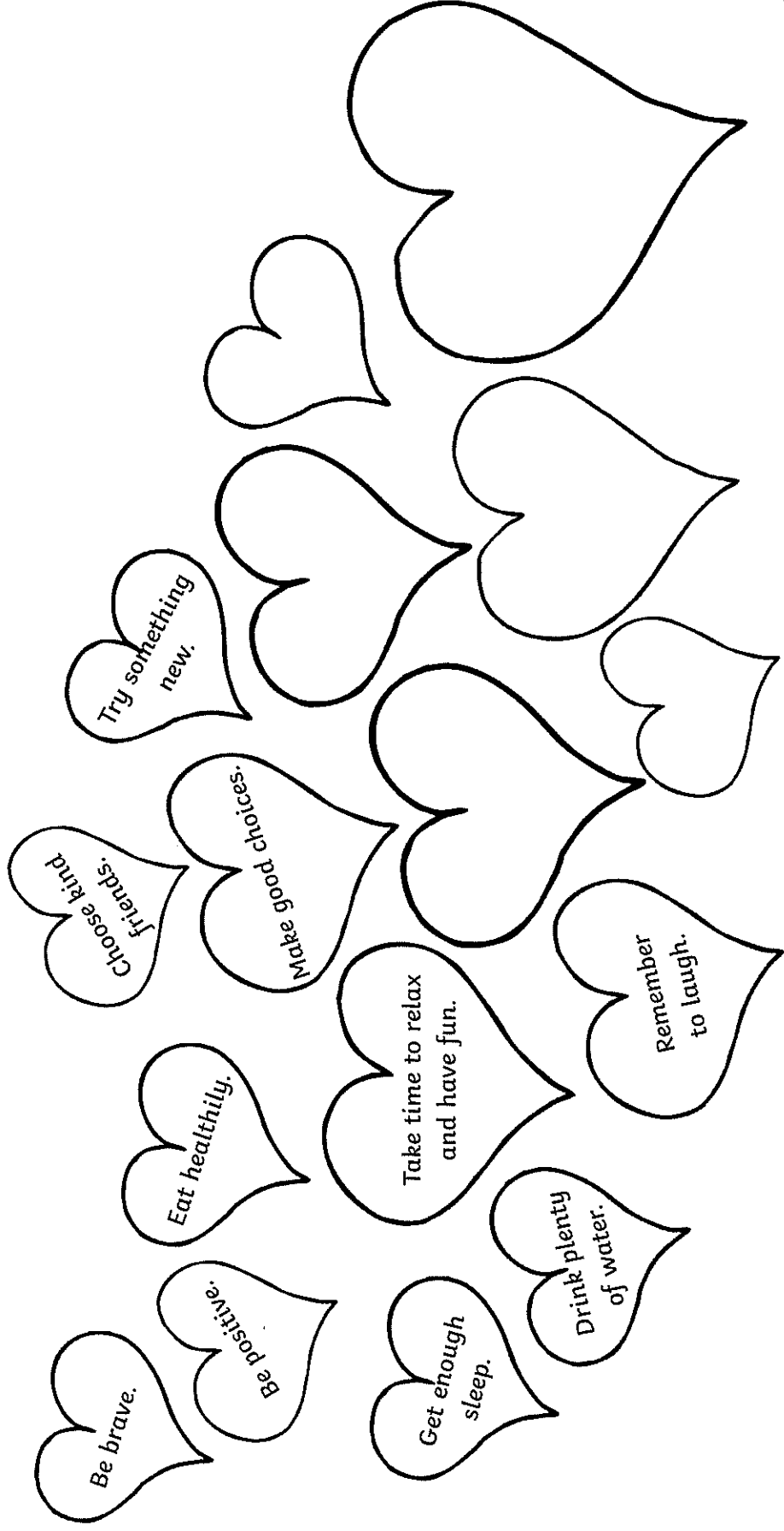


# How Can You Be Kind to Yourself?

We often think about how we can be kind to others and what effect our behaviour has on other people.

Have you ever thought about how you can be kind to **yourself**? Using the hearts below, write your own ideas about how you can be kind to yourself. Some ideas have been given to start you off.

Once you have recorded these ideas, start to think about how you can carry out these ideas to be kind to yourself.



# Positivity Jar

This jar can be filled with positive words, comments or affirmations. The purpose of the jar is to use it whenever you are feeling sad and need to remember all the positive things about you.

There are a number of slips that have already been made for you, so you can put these in your jar. However, please try and think of all the positives about yourself and complete some of the blank slips below.

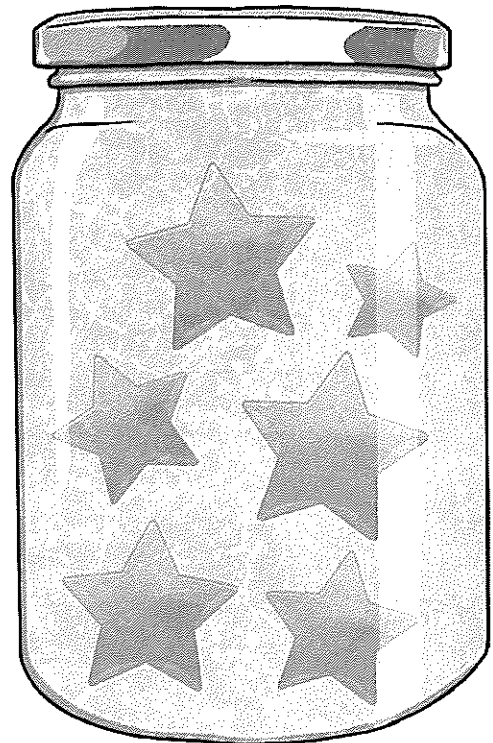
You can use a jam jar, coffee jar or a large glass storage jar. Feel free to decorate the jar however you wish. You could wrap the jar, use paints, and add accessories to it such as ribbon, stickers and pom poms.

The jar needs to be personal to you and make you feel happy when you look at it. Take your time decorating your jar and then decide what slips you are going to put in.

The adult you are with may have some positive slips that they want to complete about you as well. These can all be added to your jar.

Once you have completed your jar try to look at your jar every day for a few minutes and remember how special and positive you are as a person.

You could even give a jar to a special person. The jar could have all the positive, special qualities that you love about them. Just reading the positive comments will help them to feel more positive.



I am  
magnificent!

I am brave!

I am funny!

I am a  
good friend.

I am awesome!

I am a  
great friend.

I can be who I  
want to be.

I can and I will.

I can be  
anything I  
want to be.

I am in control  
of my own  
behaviour.

I can forgive.

I am talented.

I am  
courageous.

I am  
confident.

I am kind.

I am loyal.

I am  
good listener.
