

# Bonnyrigg Public School



Stage 2

Term 1 Week 11

# Learning from home booklet

Do your best learning, complete  
what you can, listen to your  
families. We miss you!

♥ your teachers



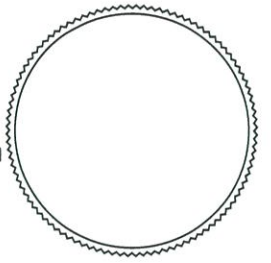
<b>BREAK</b>							
<b>Middle</b>	Whole number – Complete as many of the 'Math Investigation task cards as you can.	<b>Interpreting Pictograms –</b> Complete the 'Interpreting Scaled Pictograms' worksheet by answering the questions.	<b>Pets bar graph –</b> Complete the 'Pets Bar Graph' worksheet by shading in the boxes according to the tally column. Then complete the questions on the back.	<b>Ice Cream Statistics –</b> Complete the 'Ice Cream Statistics' worksheet by creating a bar graph.		Good Friday Public Holiday	
	<b>BREAK</b>						
	<b>Afternoon</b>	<b>Visual Arts</b> Complete the daffodil origami by following the instructions on the worksheet.	<b>Science</b> Tell a family member what a living thing is. Go on an adventure into your backyard and try to find 3 living things. Draw them in your science book.	<b>PDHPE - Fitness</b> Roll the dice and perform the matching exercise for 30 minutes.	<b>PDHPE</b> Complete the 'Gratitude Grid' with things that you are thankful for.		Good Friday Public Holiday

\*\*\* CAN DO GRID \*\*\*

<p>Ask your family members which chores you can help them do today.</p>	<p>Draw a self-portrait of yourself</p>	<p>What can you do to be kind to a family member today?</p>	<p>Put on a song and create your dance moves. You can upload a video of you dancing to our Google Classroom.</p>
<p>Get onto <a href="http://www.studyladder.com.au">www.studyladder.com.au</a> and complete some tasks. If you forget your log in details, email your teacher</p>	<p>Do some Easter egg mindfulness colouring in with the templates attached to your booklet</p>	<p>Food is fuel! Keep a food diary by drawing and labelling everything you eat for an entire day.</p>	<p>Listen to a story on Storyline Online <a href="https://www.storylineonline.net/">https://www.storylineonline.net/</a></p>
<p>Make an Easter Hat or an Easter basket</p>	<p>Create some music using Chrome Music Lab <a href="https://musiclab.chromeexperiments.com/">https://musiclab.chromeexperiments.com/</a></p>	<p>Complete the multiplication wheel activity attached to your booklet</p>	<p>Laughing boosts our mood! Think of 3 jokes you could tell a family member. Write them down.</p>



# The Solar System



The Solar System is the Sun and the objects that orbit it. Eight planets travel in the same direction and in circular paths, called orbits. There are eight planets in the Solar System. The four inner planets, also known as terrestrial planets are Mercury, Venus, Earth and Mars. They are smaller and mostly made of rock and metal. The four outer planets, or gas giants, are Jupiter, Saturn, Uranus and Neptune. They are much larger and made mostly of hydrogen, helium and other gases.

Solar System Vocabulary: universe, asteroid, galaxy, constellation, revolution, meteor and astronaut.

**Objective** Concepts (gravity, climate, solar system, hydrogen, helium, elements, ultraviolet rays, cluster, galaxy, Milky Way Galaxy); Sight words (surface, core, dangerous, causes, amount, glowing, tiny, twinkling)

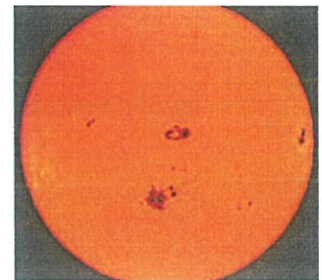


Vocabulary	
surface	amount
core	glowing
dangerous	tiny
causes	twinkling

# The Sun and the Stars

By: Sue Peterson

Scientists know many things about the Sun. They know how old it is. The Sun is more than 4½ billion years old. That would be too many candles to put on a birthday cake!



They also know the Sun's size. The Sun may seem small, but that is because it is so far away. It is about 93 million miles (150 million kilometers) away from the Earth. The Sun is so large that the diameter of the Sun is

moons, asteroid belt, comets, meteors, and other objects.

The Earth and other planets revolve around the Sun.

The Sun is very important. Without it, there would be only darkness and our planet would be very cold and be without liquid water. Our planet would also be without people, animals, and plants because these things need sunlight and water to live.

The Sun also gives out dangerous ultraviolet light which causes sunburn and may cause cancer. That is why you need to be careful of the Sun and wear sunscreen and clothing to protect yourself from its rays.

Scientists have learned many things about the Sun. They study the Sun using special tools or instruments such as telescopes. One thing they do is to look at the amount of light from the Sun and the effect of the Sun's light on the Earth's climate.

The Sun is actually a star. It is the closest star to the Earth. Scientists also study other stars, huge balls of glowing gas in the sky. There are over 200 billion stars in

# Practice

## Language Work

A. Fill in the blank and spell.

surface      s \_ \_ \_ f a c \_ \_      \_\_\_\_\_

core      c \_ \_ \_ e      \_\_\_\_\_

causes      c \_ \_ \_ s e s      \_\_\_\_\_

amount      a m \_ \_ \_ n t      \_\_\_\_\_

tiny      t \_ \_ n \_ \_      \_\_\_\_\_

B. Use each word in a sentence. Underline the word used.

dangerous      \_\_\_\_\_

\_\_\_\_\_

glowing      \_\_\_\_\_

\_\_\_\_\_

twinkling      \_\_\_\_\_

\_\_\_\_\_



3. What does the text say about the size of stars?

- a. They are all the same size.
- b. They are all small and you can see them twinkle.
- c. Some stars are larger than the Sun and others are smaller than the Earth.
- d. They are all smaller than the Sun.

**Definitions** (Write the meaning of each word as it is used in the text.)

1. surface

2. glowing

3. twinkling

**Extended Response** (Answer in complete sentences.)

1. Why do you think the author included a section on the Sun and another section on stars in the same text?

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# Informative Writing

<h1>W</h1> <p>What is your favorite sport? Write an informative piece on how to play that sport.</p>	<h1>R</h1> <p>Which famous person do you know a lot about or want to know more about? Write a biography about that person.</p>	<h1>I</h1> <p>What are you an expert at doing? Write an informative piece telling all about your expertise.</p>	<h1>T</h1> <p>Do you have a special talent? Is it something that not many people your age can do? Write an informative piece telling all about your talent.</p>	<h1>E</h1> <p>What is your favorite animal? Write an informative piece telling all about your favorite animal.</p>
<h1>R</h1> <p>Who is your favorite person? Write an informative piece telling all about that person.</p>	<h1>I</h1> <p>Have you been anywhere famous such as a national monument? Write an informative piece telling about the place that you visited.</p>	<h1>T</h1> <p>What is something that is created or produced in your area? Write an informative piece to someone in another state telling them about it.</p>	<h1>E</h1> <p>Think about a game that you like to play. Write an informative piece telling someone else how to play that game.</p>	<h1>I</h1> <p>What are some safety rules that you know? Write an informative piece about how to be safe while you are at school.</p>
<h1>R</h1> <p>Can you cook something? Write an informative piece telling someone how to cook that same thing.</p>	<h1>I</h1> <p>Do you have a pet? Write an informative piece telling how to care for your pet.</p>	<h1>T</h1> <p>Choose a non-fiction text on a topic that you do not know much about. Write an informative piece telling about what you have learned.</p>	<h1>E</h1> <p>Do you have a pet? Write an informative piece telling how to care for your pet.</p>	

# Maths Investigation

## Challenge Cards



### Maths Investigation

How many shapes can you make with an area and perimeter of 20?

**Hint: You can use diagonal lines to help.**

Remember that the perimeter is the measurement around the edge of a 2D shape and the area is the measurement of the space taken up by a 2D shape, usually measured in square units, such as  $\text{cm}^2$ .

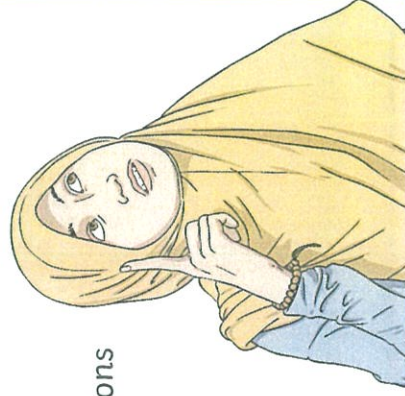


### Maths Investigation

If the answer is 256, what could the equation be?

**For example:**  $257 - 1 = 256$ .

What are the most complicated equations you can come up with?



### Maths Investigation

How many school hats do you think are lost at your school every year?

Estimate and explain your thinking.

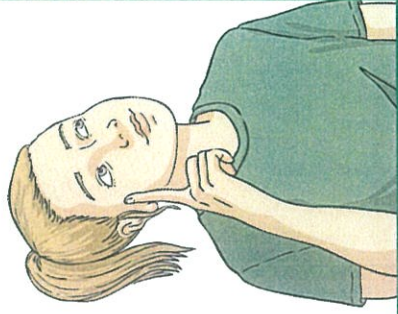
**Hint: Think about how many weeks there are in a school year, how many students there are at your school and how often you have lost your hat.**



### Maths Investigation

Design a new layout for your classroom and share it with your teacher.

The more accurate your measurements of furniture, the better your chance of your teacher adopting your design.



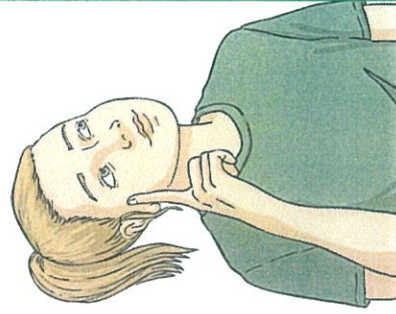
### Maths Investigation

If you roll a dice 100 times, which number would you roll the most? Give a reason for your answer and then try it out. Record your results using a tally and then graph using a choice of your own.



### Maths Investigation

Create a timetable of your week. You could include the different lesson you have at school as well as scheduled time for homework, sleeping, eating and your favourite activities.



### Maths Investigation

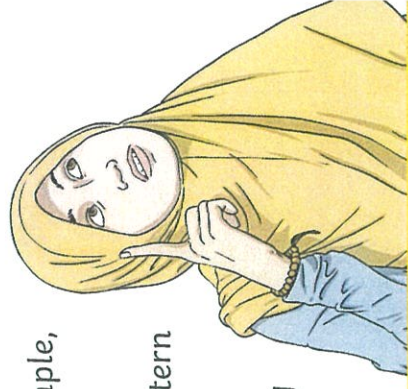
Choose a number from below:

2 3 4 5 6 7 8 9

Multiply it by itself 10 times. For example,  $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$  or  $2^{10}$ .

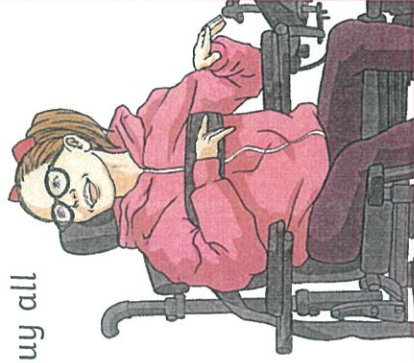
Record each multiplication and the pattern you see.

If you have time, you could keep going with another number.



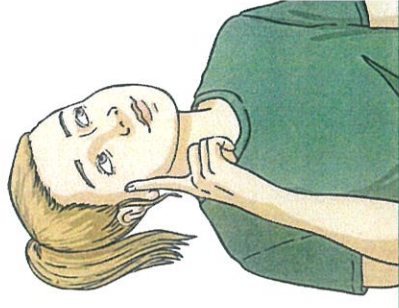
### Maths Investigation

How could you raise \$100 or \$1000 from something you made? Think about how much it would cost to buy all the materials, how much you could sell it for and how many you would need to make.



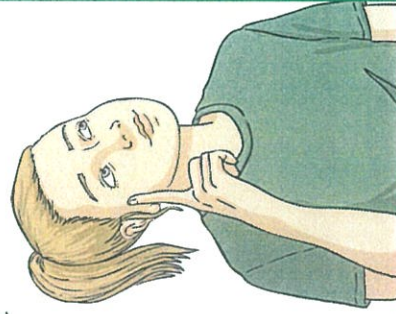
### Maths Investigation

Using only scissors and a scrap sheet of A4 paper, what is the longest piece of paper you can make? Make an estimate and test out different ways you can cut the paper to make it longer.



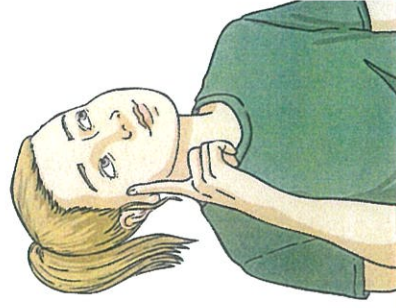
### Maths Investigation

Create a sculpture using coloured blocks and draw it from all sides, including a bird's-eye view. What do you notice?



### Maths Investigation

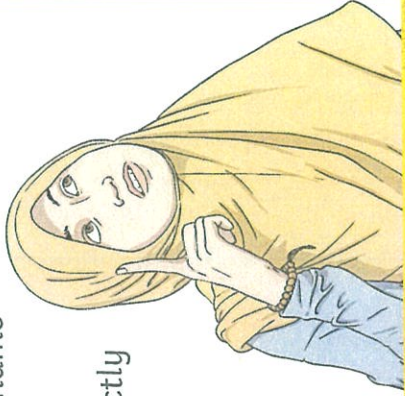
How long have you been at school? Answer as accurately as you can. Try to use the exact number of days, hours, minutes or even seconds?



### Maths Investigation

If  $A = \$0.01c$  (1 cent),  $B = \$0.02c$  (2 cents),  $C = \$0.03c$  (3 cents) and so on, how much is your name worth?

Can you find a word that equals exactly \$1.00?



### Maths Investigation

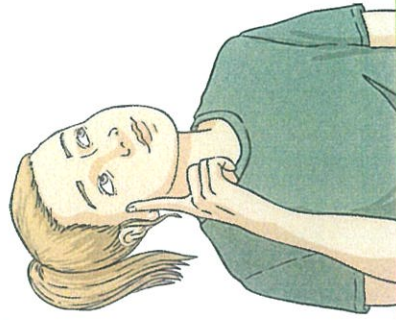
Create a maze complete with traps, dead ends and only one way to the finish line. Write some instructions to help your classmates escape in case they get stuck.



### Maths Investigation

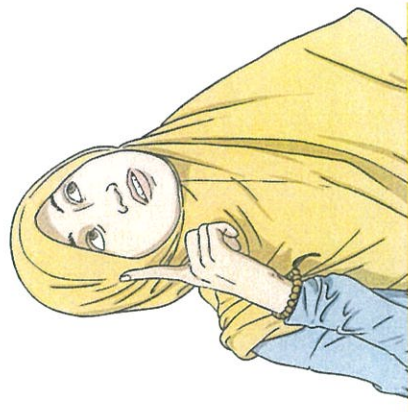
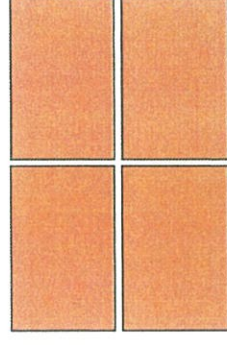
Write your name or a word of your choice in block letters on grid paper. Calculate the perimeter and area of your word.

Remember that the perimeter is the measurement around the edge of a 2D shape and the area is the measurement of the space taken up by a 2D shape, usually measured in square units, such as  $\text{cm}^2$ .

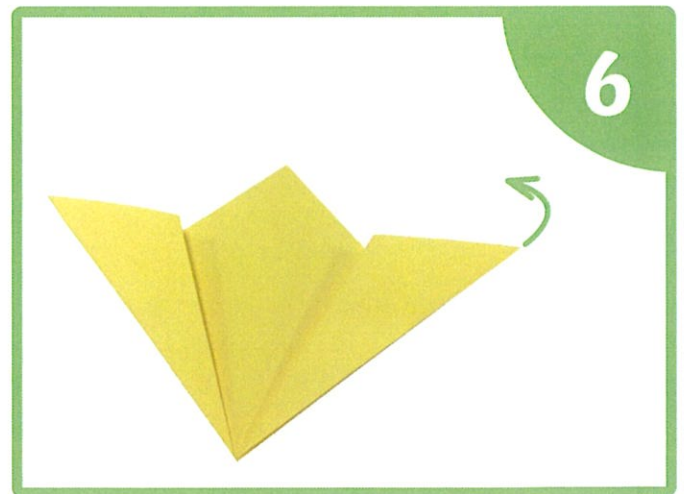
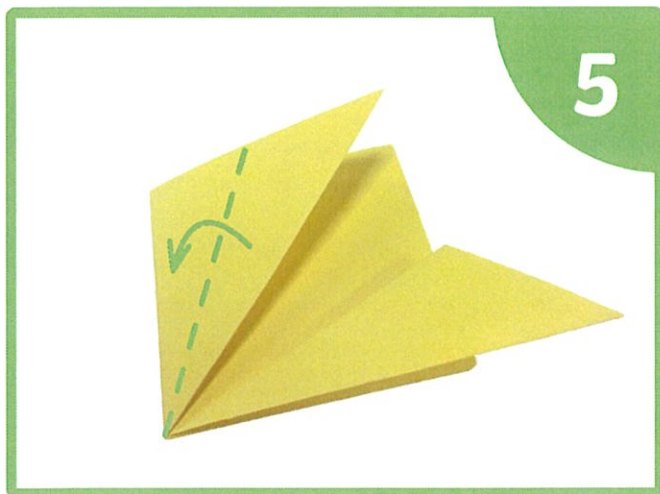
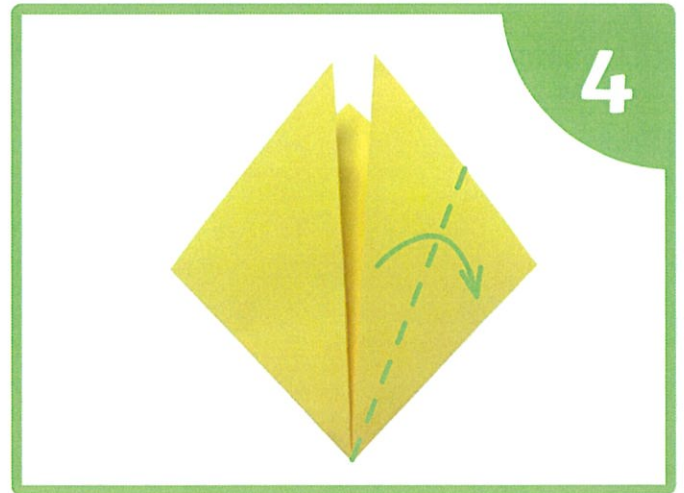
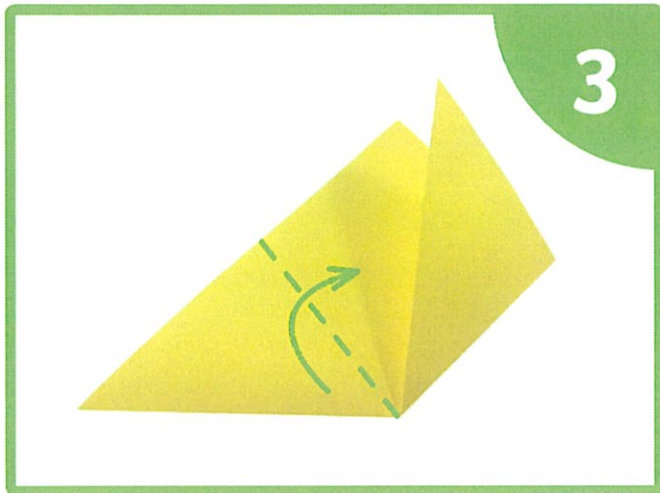
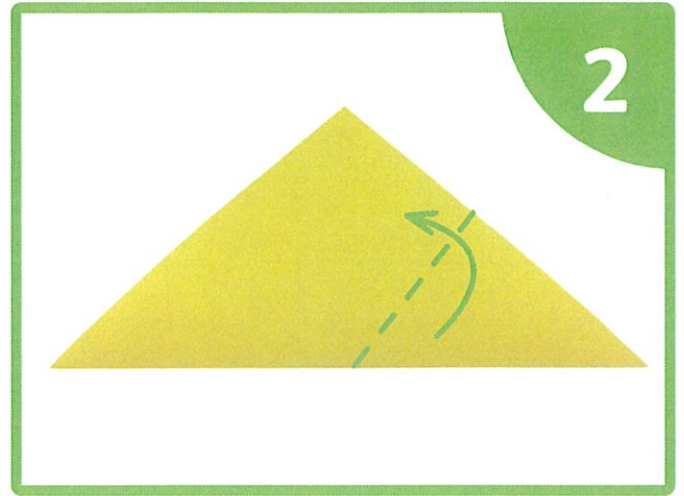
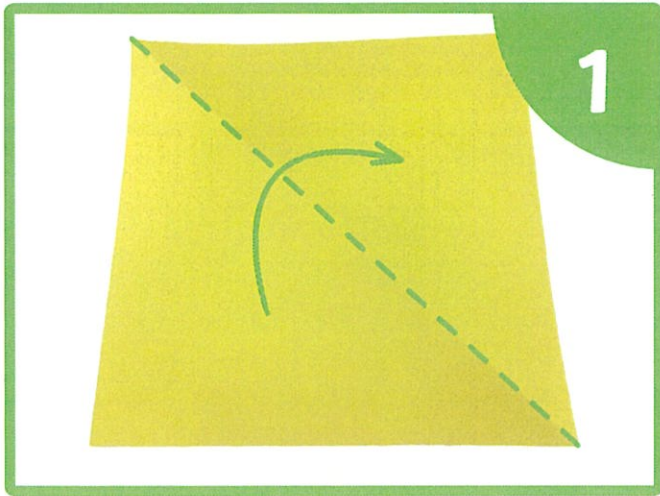


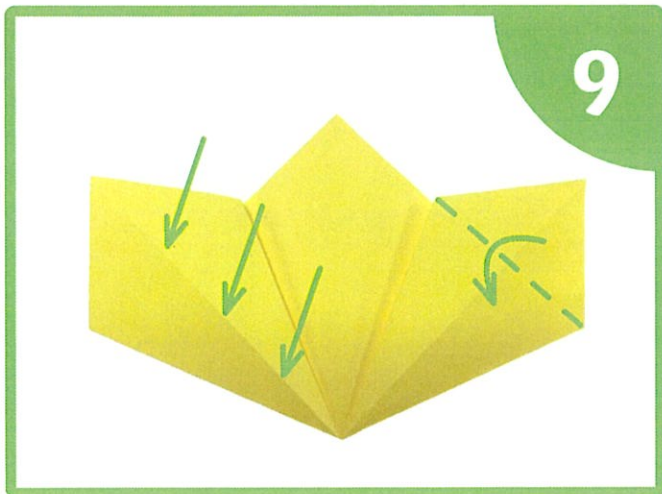
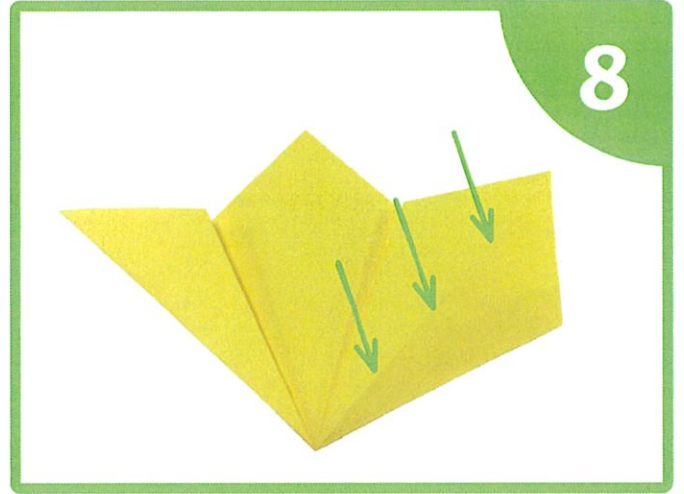
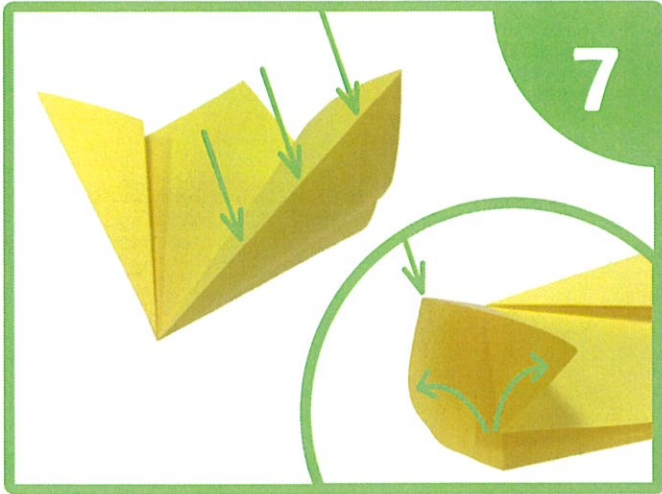
### Maths Investigation

How many different ways can you cut this shape into 4 equal groups or quarters?

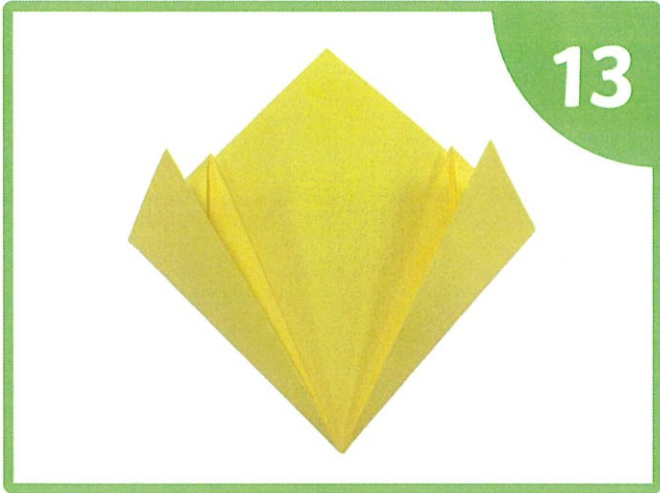


# Daffodil Origami Craft Instructions









# Tuesday spelling

How many words can you  
write that have the graph  
/y/ as in pony?

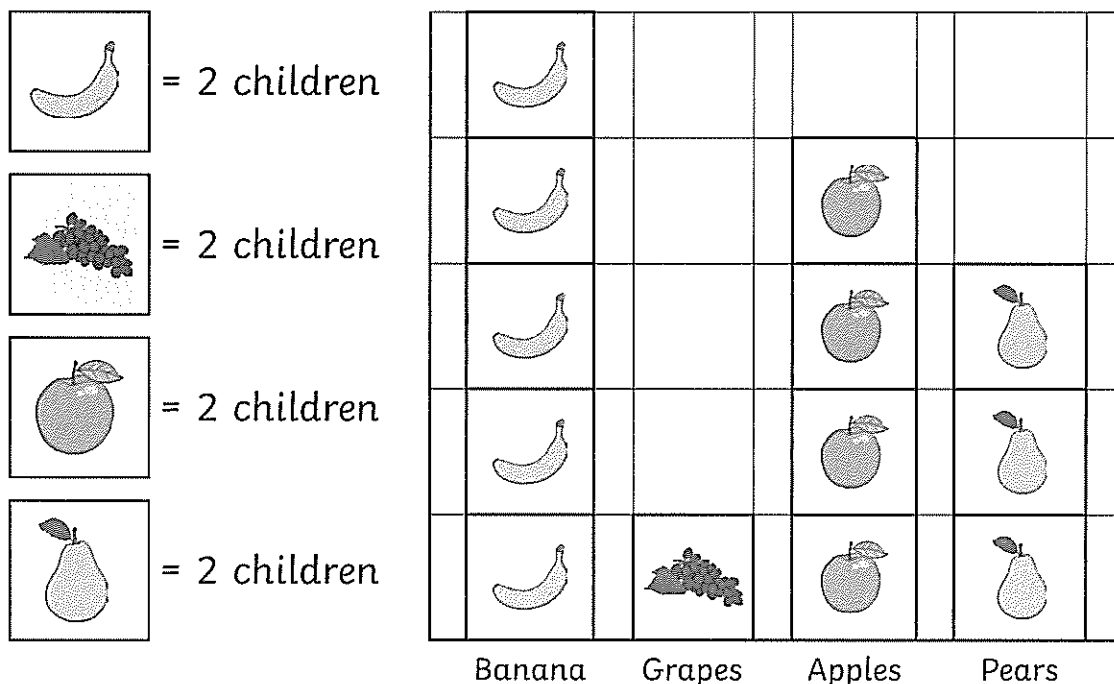
Make it easier - draw pictures only

Challenge - write the word and  
then put it in a sentence

# Interpreting Scaled Pictograms

Learning Objective: I can interpret scaled pictograms

Favourite Fruit



Answer the following questions.

What is the favourite fruit? \_\_\_\_\_

How many children chose apples as their favourite fruit? \_\_\_\_\_

How many more children chose bananas than grapes, as their favourite fruit? \_\_\_\_\_

How many children chose apples or pears as their favourite fruit? \_\_\_\_\_

Write your own questions for a friend.

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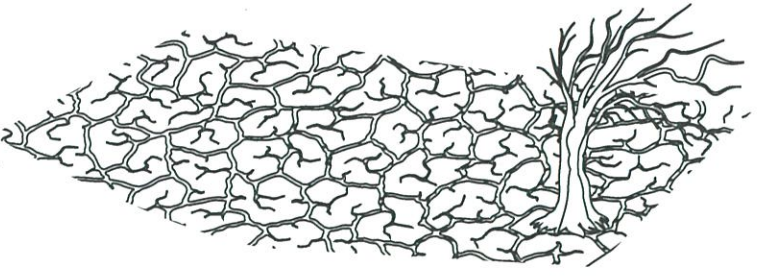
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# Drought



Drought is an extended period when a region notes a deficiency in its water

supply, including both surface or underground water. They generally occur when

a region consistently receives below average rainfall. Although droughts can

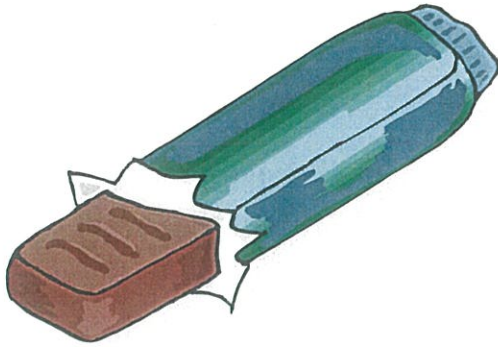
persist for up to several years, even a short, intense drought can cause significant

damage and harm to the local economy. Periods of droughts can have

significant environmental, agricultural, health, economic and social

consequences.

**Objective** sight words (refreshment, grab, groceries, continues, arranged, apprentice, caramels, expand, convention, equipment, focused, afford); concepts (Hershey, Pennsylvania; successful business, steps to make chocolate, foundation)



Vocabulary	
refreshment	caramels
grab	expand
groceries	convention
continues	equipment
arranged	focused
apprentice	afford

## The History of Chocolate

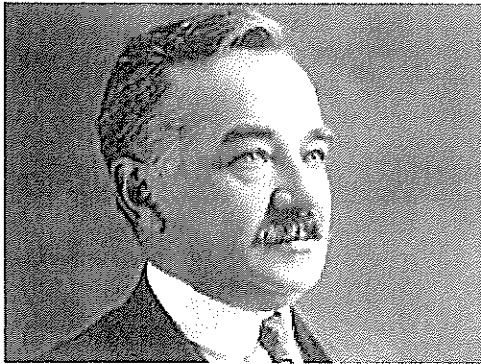
By: Sue Peterson

People from all over the world like the taste of chocolate. Chocolate is a refreshment that many people enjoy as a dessert or snack. Did you ever grab a chocolate bar at the store when you were checking out groceries with your mom or dad? Did you ever buy a chocolate bar at the gas station when your parents stopped to buy gas? Did you ever get to pick out a chocolate candy bar at a basketball game or a soccer game?

apprentice where he would learn about print, newspapers, and books.

However, Milton did not like this kind of work and soon he was serving as an apprentice under his father who got a new job in a candy factory where he helped to make candy.

After a few years, Milton knew that he was a good



Milton Hershey

candy maker and he wanted to start his own candy business. He tried to build several businesses in many different cities, and he did

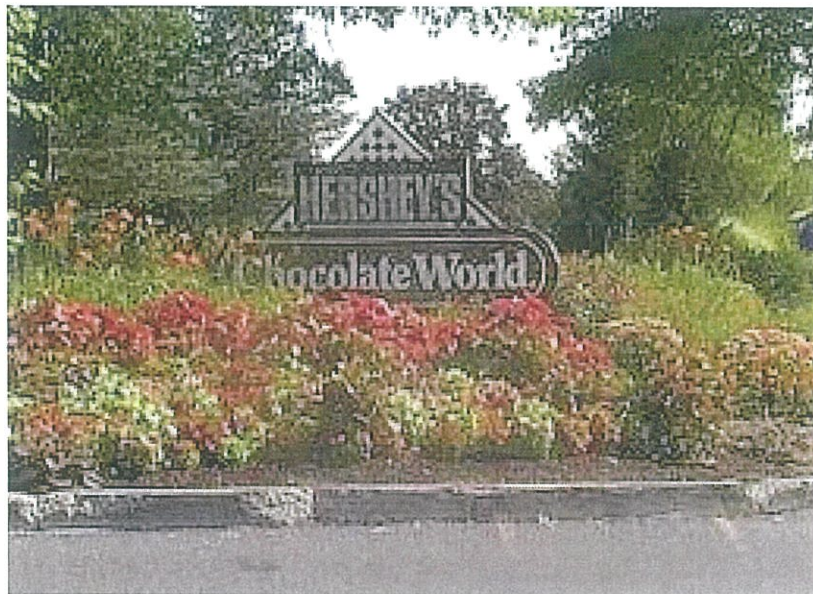
not give up until his candy business was finally a success.

He learned to make caramels and to expand the kinds of candy he made. When he was 29-years-old, he moved back to Pennsylvania to start a caramel business, and in four years his business was very successful.

After seeing how chocolate was made at a chocolate convention, Milton purchased the equipment needed to make similar chocolates. He got married and sold the

Milton Hershey died in 1945, but the world remembers him for not only making chocolate bars, but for his work to help people through his foundation. A medical center for The Pennsylvania State University was also founded.

Milton Hershey is remembered as someone who built an entire city and helped people get jobs. He is remembered for someone who made a school for children who did not have families. He is someone who made a medical center to help those who are sick and someone who made that chocolate, that yummy chocolate that most of us throughout the world enjoy.



Hershey's Chocolate Company

**Definitions** (Write the meaning of each word as it is used in the text.)

1. continues

2. apprentice

3. expands

**Extended Response** (Answer in complete sentences.)

1. Why do you think Milton Hershey gave funds to the orphan school and made a foundation when his wife died?

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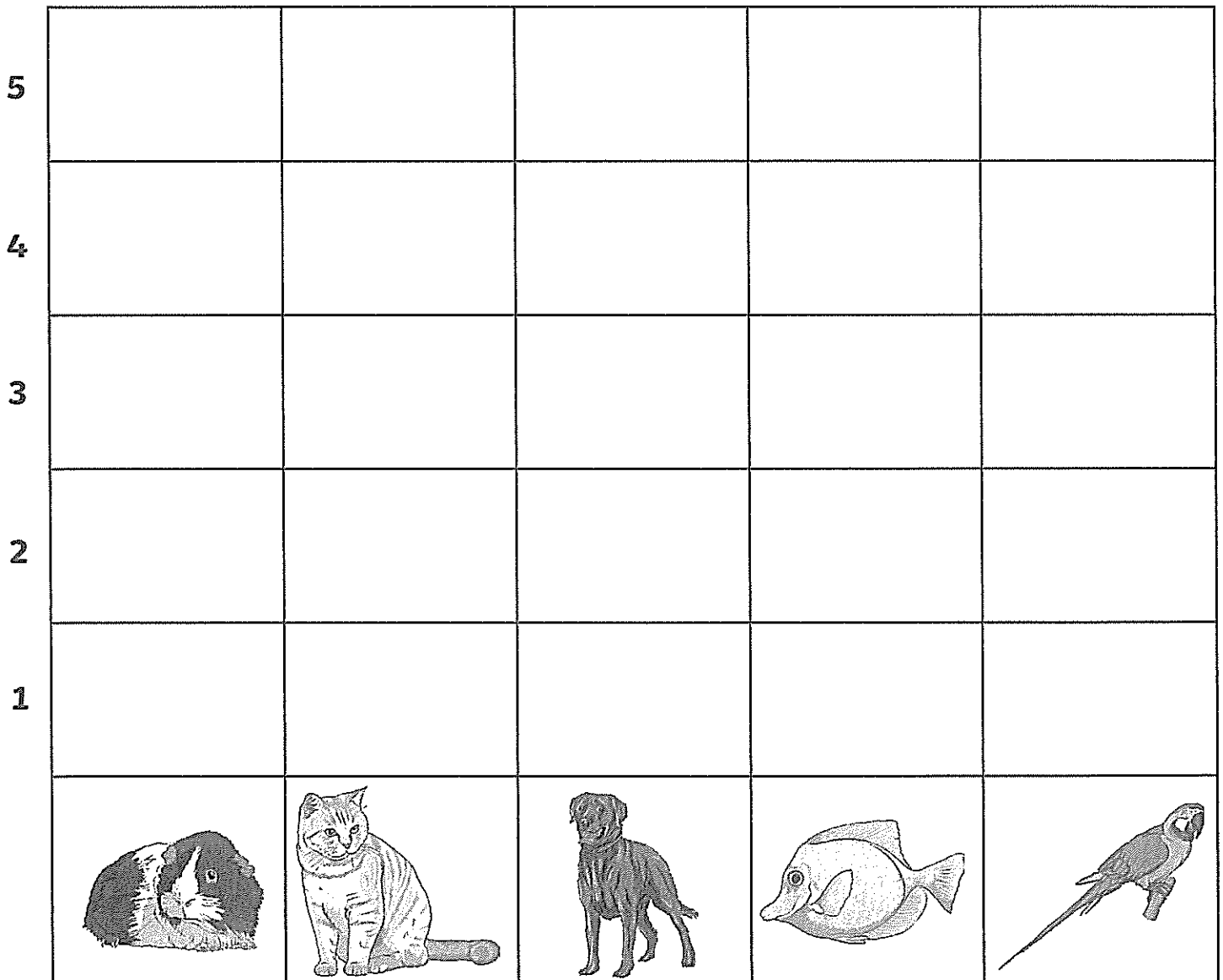
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# Pets Bar Graph

Some children were asked about their favourite pet. Complete the bar graph using the information below and then answer the questions about the graph.

Pet	Tally
Dog	
Cat	
Bird	
Fish	
Guinea Pig	



K-2



# Roll The Dice



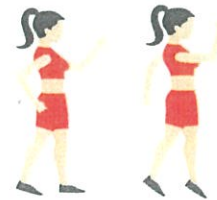
**1. 10 Jumping Jacks**



**2. ABC Push-ups**



**3. 10 Jumping Jills**



**4. 5 Partner Sit-ups**

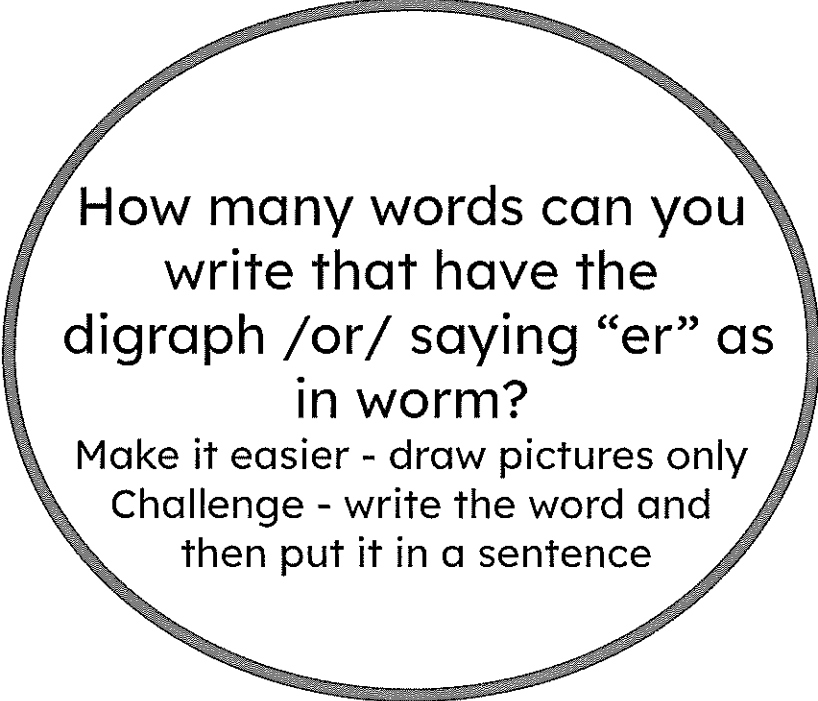


**5. Swap**

**6. Run to mat**



# Thursday spelling



How many words can you  
write that have the  
digraph /or/ saying “er” as  
in worm?

Make it easier - draw pictures only  
Challenge - write the word and  
then put it in a sentence



# Ice Cream Statistics

I can present information in a bar chart.

Present the data showing Class 4's favourite ice cream flavours as a bar chart:

Ice Cream Flavour	Number of Boys	Number of Girls
Vanilla	4	3
Strawberry	1	5
Chocolate	3	2
Mint	5	3
Toffee	1	4
Caramel	2	2

## Top Tips:

Think about how you can show the information about boys and girls. Stacked or grouped bar charts work well.

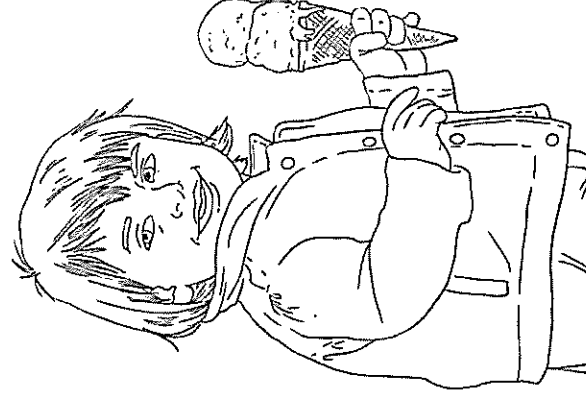
Remember to use a key/legend to show the difference between the boys' and girls' data.

Title: \_\_\_\_\_

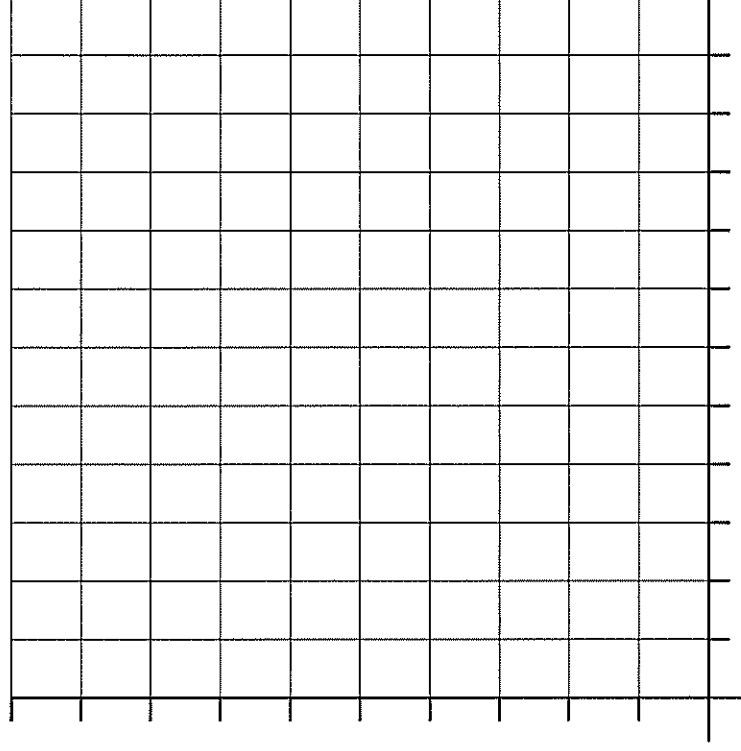
Key:

= \_\_\_\_\_

= \_\_\_\_\_



Label: \_\_\_\_\_



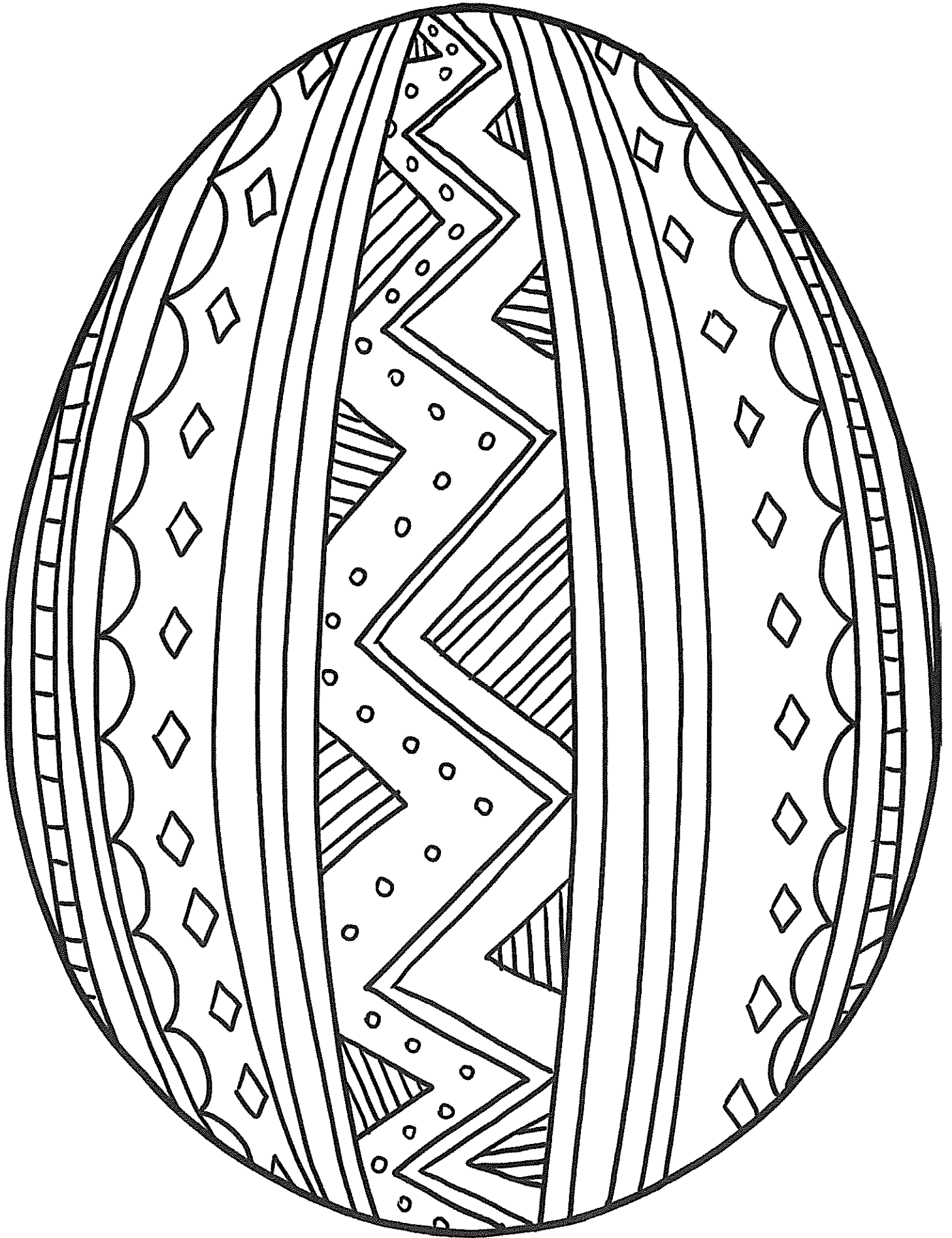
Vanilla

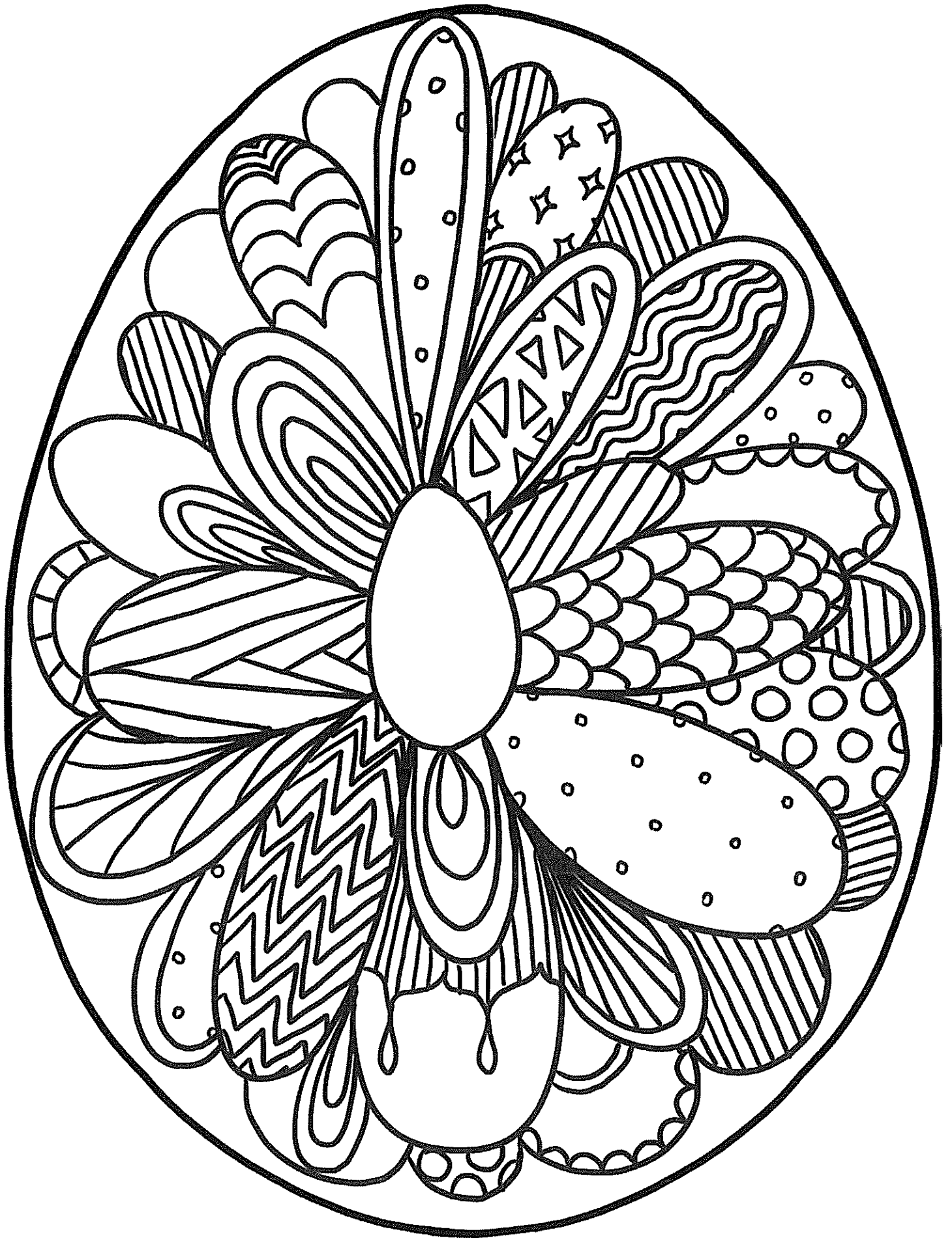
Label: \_\_\_\_\_

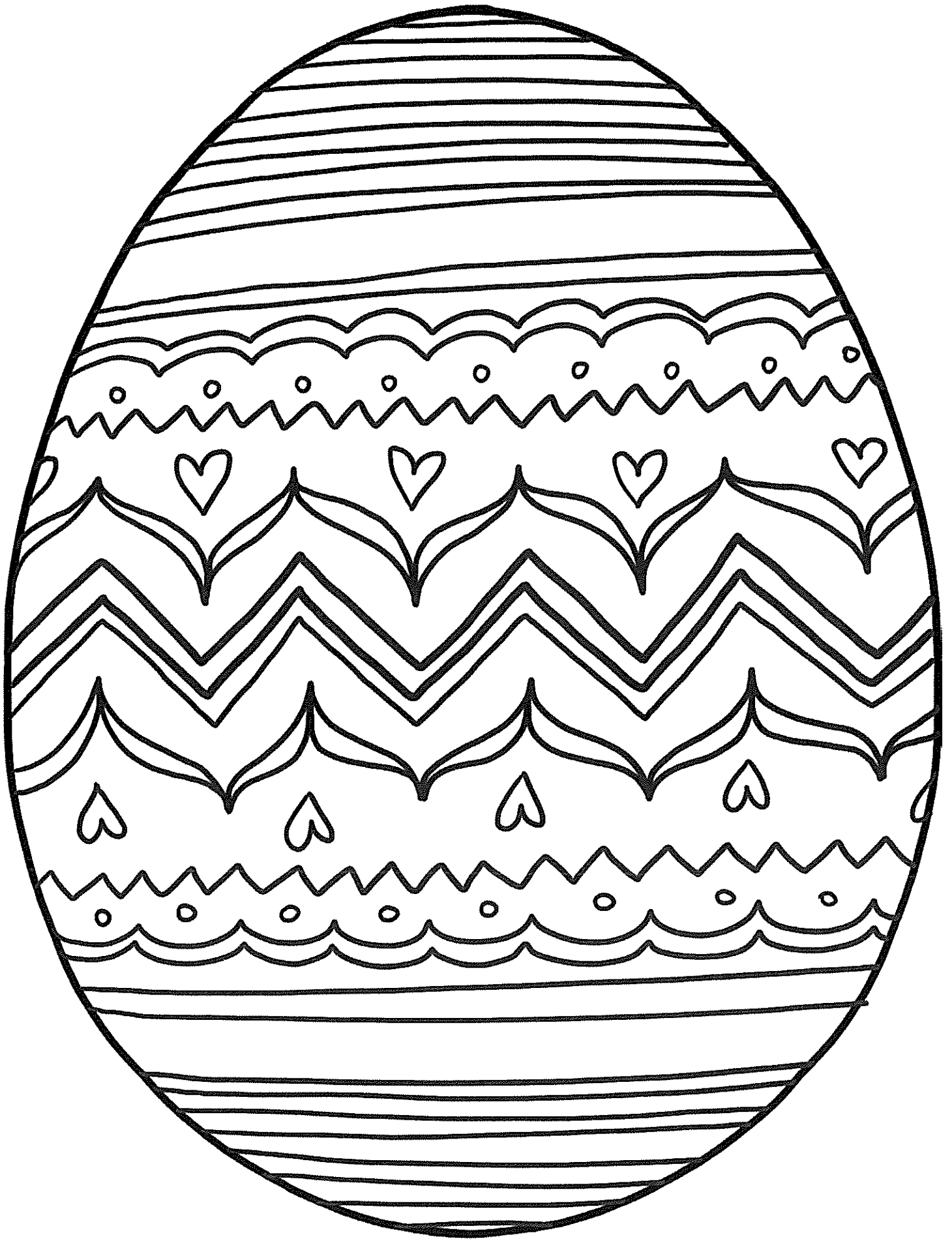
# Gratitude Grid

Take a step back today and look at all the beautiful things you have. Use the prompts to draw or write about what you are thankful for today.

Friend	Smell	Body Part	Animal	Relationship
Taste	Book	Sound	Family Member	TV show



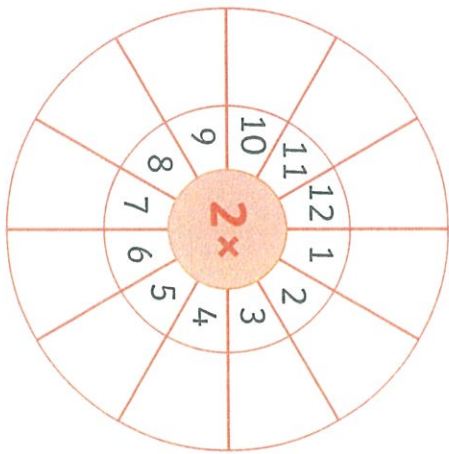
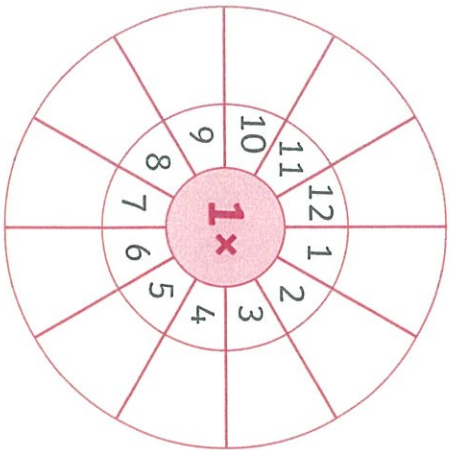






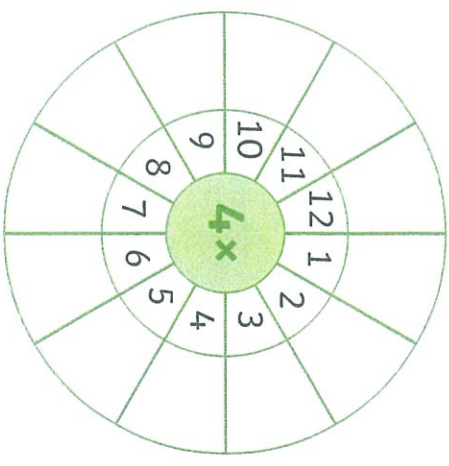
Multiplication Wheels

Multiply the numbers by the middle number.



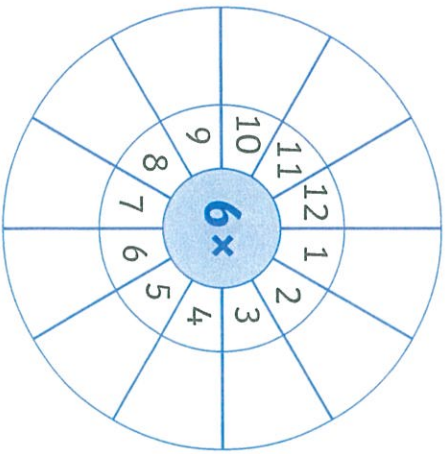
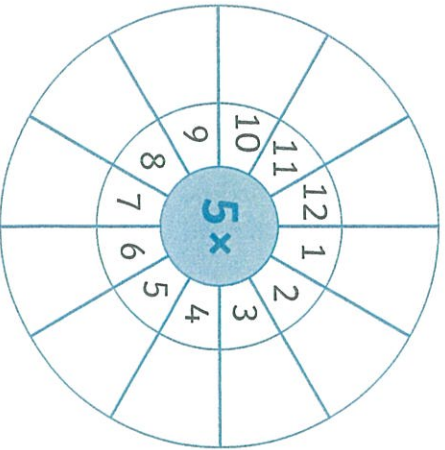
Multiplication Wheels

Multiply the numbers by the middle number.



Multiplication Wheels

Multiply the numbers by the middle number.



Multiplication Wheels

Multiply the numbers by the middle number.

