



### Social Distancing

1. In your own words, explain what social distancing is.
2. How is it different to self-isolating?
3. Give some examples of social distancing.
4. What is the government doing to reduce the amount of contact people have with each other?
5. Why is social distancing important?
6. The idea with social distancing is it flattens the curve. What does that mean?
7. Schools that are still open are taking precautions to keep students safe. Give an example.
8. How can you stay connected to family and friends while social distancing?
9. Create a diagram or graphic that communicates the importance of social distancing.
10. How are you feeling about coronavirus? Share your thoughts with a friend or family member.

### Italy Coronavirus Report

1. Where in Italy do Maggie and Zach live? Locate using Google Maps.
2. Why did they move to Italy?
3. Northern Italy has had the most cases of coronavirus than anywhere else in Italy. True or False?
4. The whole of Italy is in lockdown. What does that mean?
5. Finish the following sentence: The government hopes that lockdown will...
6. What sorts of things did Maggie and Zach do before the lockdown?
7. What is life like for them since the lockdown?
8. What sorts of activities do Maggie and Zach do to pass the time?
9. How do they stay connected to their friends?
10. How do Maggie and Zach feel about the lockdown?

### What is a virus?

1. What did the BTN story explain?
2. Give three examples of things that are caused by viruses.
3. Viruses are one of the four families of \_\_\_\_\_.
4. What are the other three types of pathogens?
5. When were viruses first discovered?
6. What do viruses need to spread?
7. What is the name of the body's inbuilt virus defence?
8. What is a vaccination and how does it work?
9. What can you do to stop the spread of viruses?
10. Name three facts you learnt about viruses.

Check out the [What is a virus? resource](#) on the Teachers page.

### Aurora Australis

1. Where is Antarctica? Locate using Google Maps.
2. What is an icebreaker?
3. What has been the icebreaker's job over the past 31 years?

4. How does the icebreaker help with scientific research?
5. What is the icebreaker's nickname?
6. Where is the icebreaker heading to for its final voyage?
7. What is the name of the new Antarctic icebreaker?
8. How did the new icebreaker get its name?
9. What does the name mean in Palawa Kani?
10. What was surprising about the BTN story?



Check out the [Aurora Australis resource](#) on the Teachers page.

### Action Sports Girls

1. Briefly summarise the BTN *Action Sports Girls* story.
2. What sport do Naomi and Fenella participate in?
3. What do they say about the number of girls participating in the sport?
4. Explain the study being done into girls involvement in 'action' sports.
5. What does Dr Meredith Nash say about girls participating in 'action' sports?
6. Why have girls been discouraged from getting involved in 'riskier' sports?
7. What reasons do Naomi and Fenella give for getting involved in mountain bike riding?
8. What questions would ask Naomi and Fenella about their sport?
9. If you could choose a sport to get involved in, what would it be? Give reasons for your answer.
10. What did you like about the *Action Sports Girls* story?

# Great Barrier Reef - Editing

Add editing marks to text. There are 20 errors.

The great barrier reef is the worlds lagest coral reef It is close too the coast of queensland australia. it is made up of nerly 3000 coral reefs and over 600 islands, streching over 2600 km long. It is so big, it can be scene from space!

The Great Barrier Reef is the largest structure maid by living things. because of it's enviromental significance, its has been listed as a important World Heritage Site by UNESCO.

Editing Marks:	
Capital letter	≡
End punctuation	◦ ! ?
Insert a word	∧
Change to lower case	/l.c.
Take something out	∅
Check spelling	<sup>SP</sup> ○
New paragraph	¶

Re-write the text correctly:

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

# Great Wall of China - Editing

**Add editing marks to text. There are 20 errors.**

The great wall of China is indoubtedly one of the most significant man-made structures in the world built over 2000 years ago, it is an arcitectural feat that this structure is stil standing. The Great Wall of china spans an impresive 8851.8 km stretching east to west, winding up and down across grasslands mountains, desserts and plateaus. Unfortunately some of the original sections ar now in ruins or no longr exist.

work on construct the Great Wall of China started as early as the 5th century B.C. The main reason behind built the Great Wall was to protect china's boders from the nomadic warring tribes, that came down from preent day manchuria and Mongolia.

Editing Marks:	
Capital letter	≡
End punctuation	⊙ ! ?
Insert a word	λ
Change to lower case	/l.c.
Take something out	o7
Check spelling	<sup>SP</sup> ○
New paragraph	¶

**Re-write the text correctly:**

---

---

---

---

---

---

---

---

---

---

---

---

# PODCAST response



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

Podcast title: \_\_\_\_\_

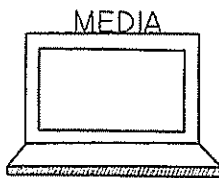
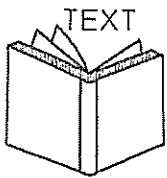
## 3 FACTS

Just the facts!  
Remember, this is NOT an opinion

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_



## CONNECT

Bubble in which connection you are making. Explain on the lines below

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## AHA! MOMENT

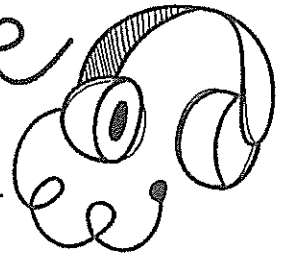
What is ONE thing that stuck with you or blew you away?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## RATE ME!

# PODCAST response



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

Podcast title: \_\_\_\_\_

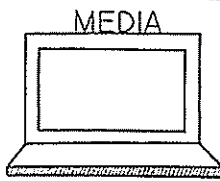
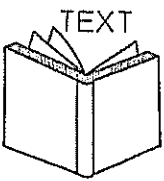
## 3 FACTS

Just the facts!  
Remember, this is NOT an opinion

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_



## CONNECT

Bubble in which connection you are making. Explain on the lines below

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## AHA! MOMENT

What is ONE thing that stuck with you or blew you away?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## RATE ME!

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

n

n

racing

northern

cars

round

grand

The cars are racing around the northern track.

E

Egyptian

Evan

H

Hong Kong

Hyun

Hyun bought the toys in Hong Kong.

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

m

h

ham

happy

mango

mash

mouth

She put mashed mango in my ham salad.

p

Philippines

Phillip

B

Berlin

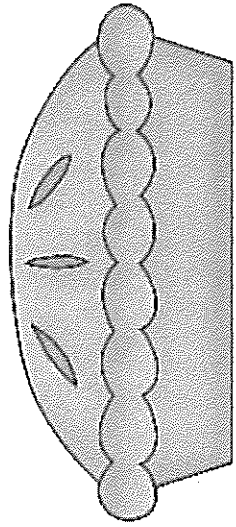
Beth

Beth and Phillip went to Berlin Zoo.

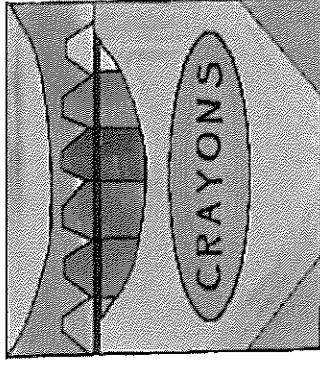


# Simile

A simile is a comparison of two things using the words like or as.



as sweet as pie



colorful like crayons

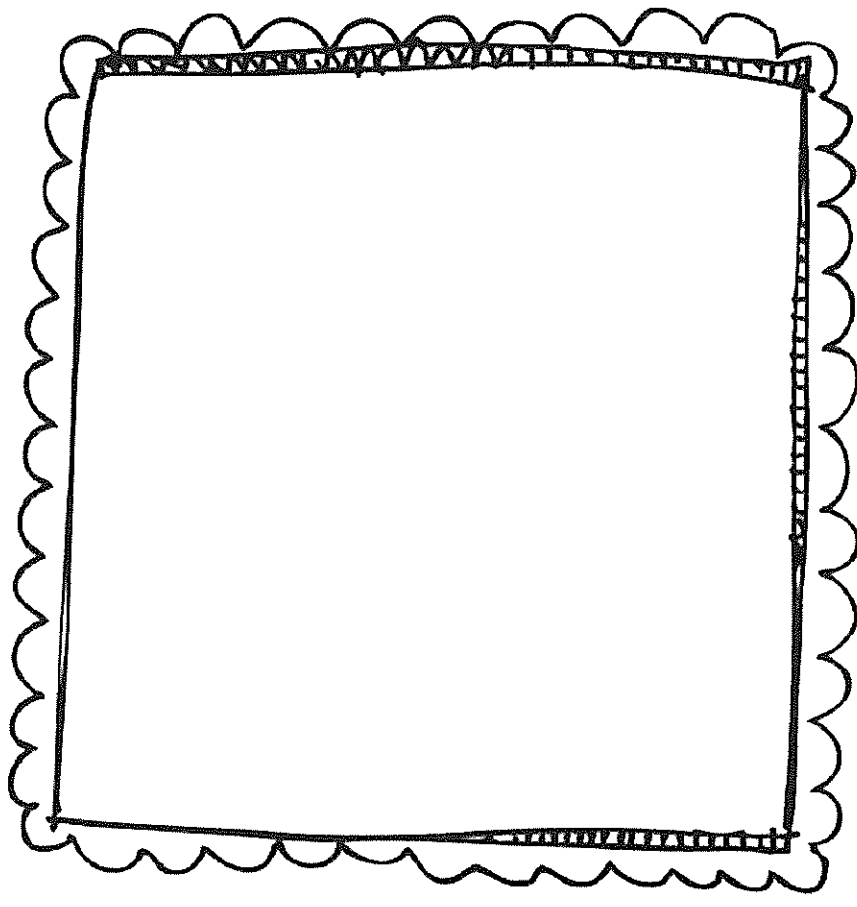
# It Came from Planet Simile!



A creature from Planet Simile has just landed on Earth!

Draw a picture of the creature based upon the description below.

a body as thin as a pencil
a head as big as a watermelon
eyes as red as fire
a nose as purple as a plum
teeth as green as grass
skin as yellow as the sun
fingers as pointy as icicles
feet as square as boxes



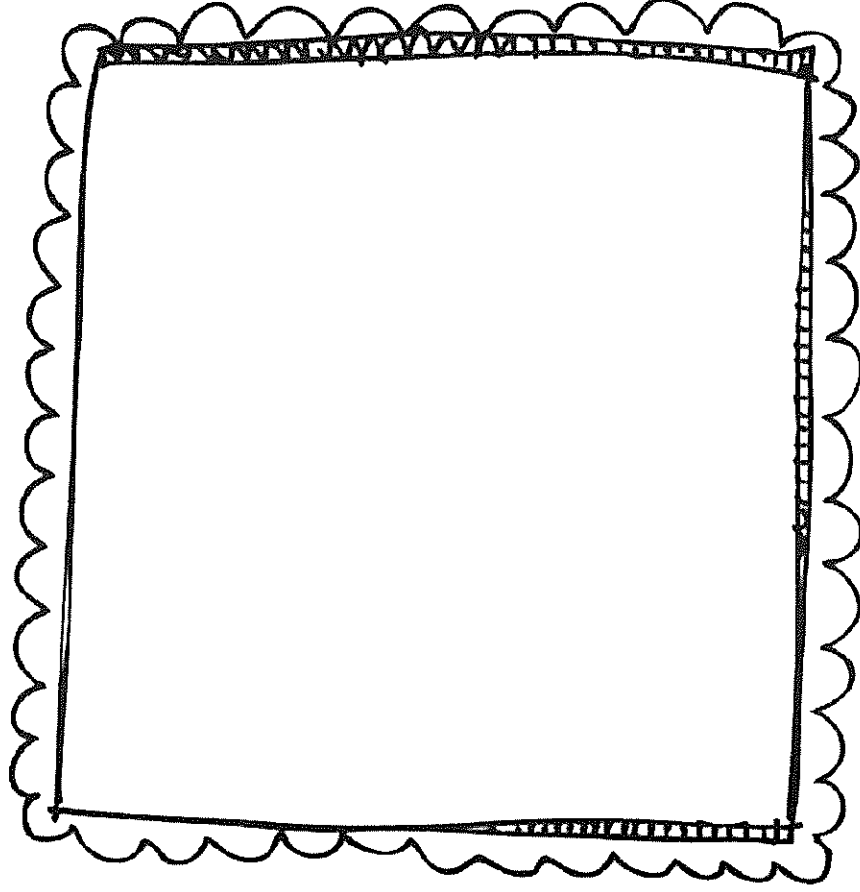
By: \_\_\_\_\_

# It Came from Planet Simile!



A creature from Planet Simile has just landed on Earth! Finish the similes about this creature below.  
Then draw the creature's picture based on your description.

a body as _____ as _____
a head as _____ as _____
eyes as _____ as _____
a nose as _____ as _____
teeth as _____ as _____
skin as _____ as _____
fingers as _____ as _____
feet as _____ as _____



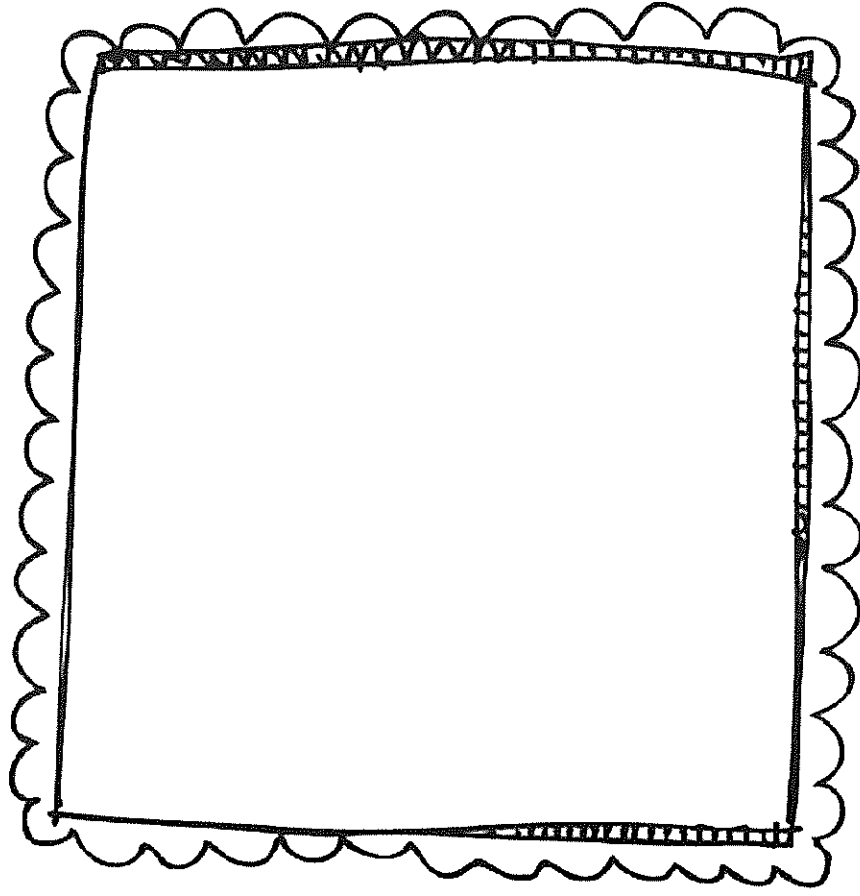
By: \_\_\_\_\_

# It Came from Planet Simile!



A creature from Planet Simile has just landed on Earth! Write eight similes about the creature's appearance in the boxes below. Then draw the creature based on your description.

1
2
3
4
5
6
7
8



By: \_\_\_\_\_

# Simile, Sweet Simile

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

Color code the gumball sentences below. If the sentence contains a simile, color the gumball yellow. If it does not contain a simile, color the gumball any color you wish (except yellow).



He is hungry enough to eat anything.

I am as mad as a hornet about the fight.

I think I like pizza the best!

As my mom says, vegetables are good for you!

The runner was as fast as a speeding bullet.

My sister is like a tall oak tree.

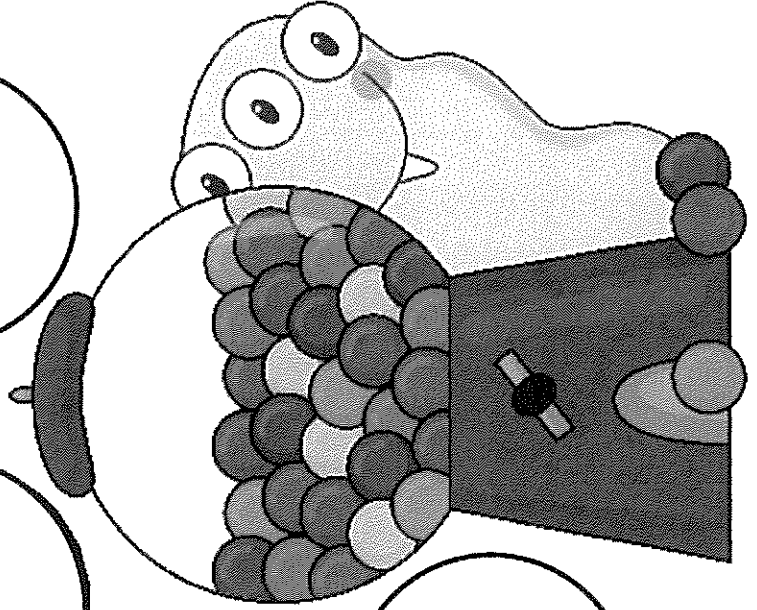
We watched the cars as they drove by.

The witch's fingers are like cold icicles.

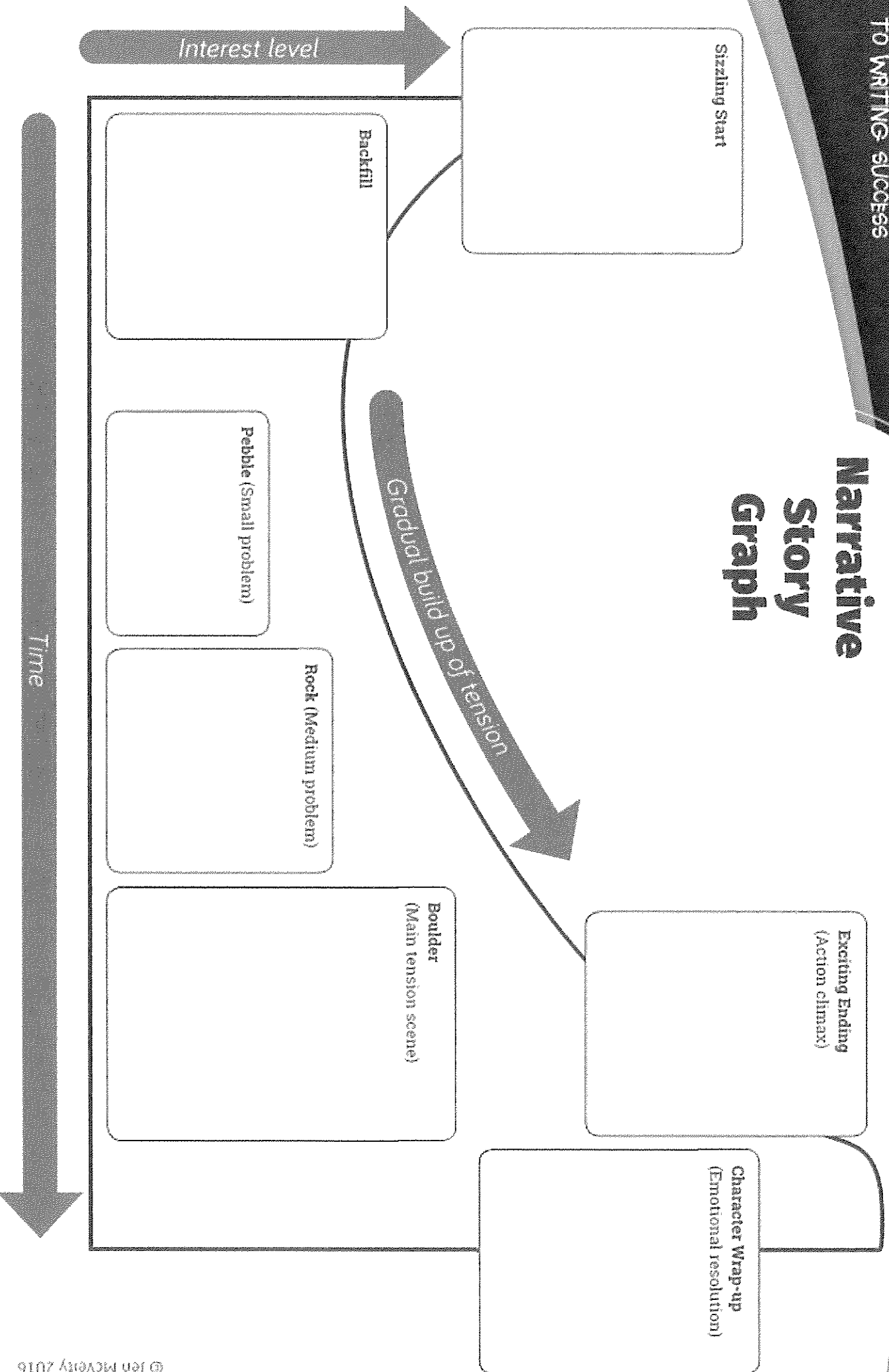
This is not as difficult as I thought.

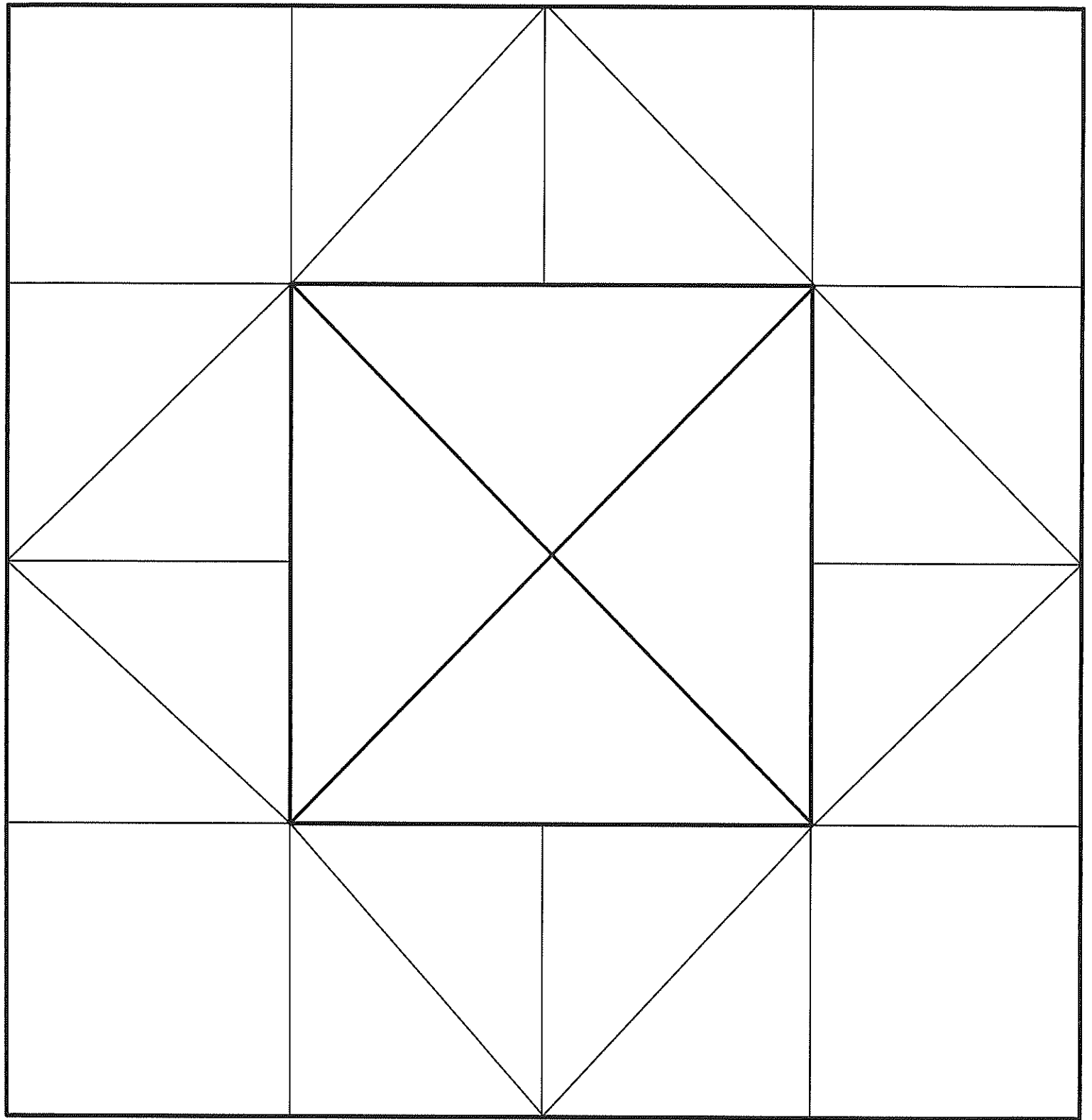
The child hopped through the yard like a bunny.

Her eyes are as green as brilliant emeralds.



# Narrative Story Graph

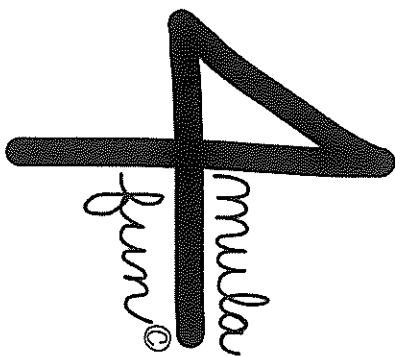


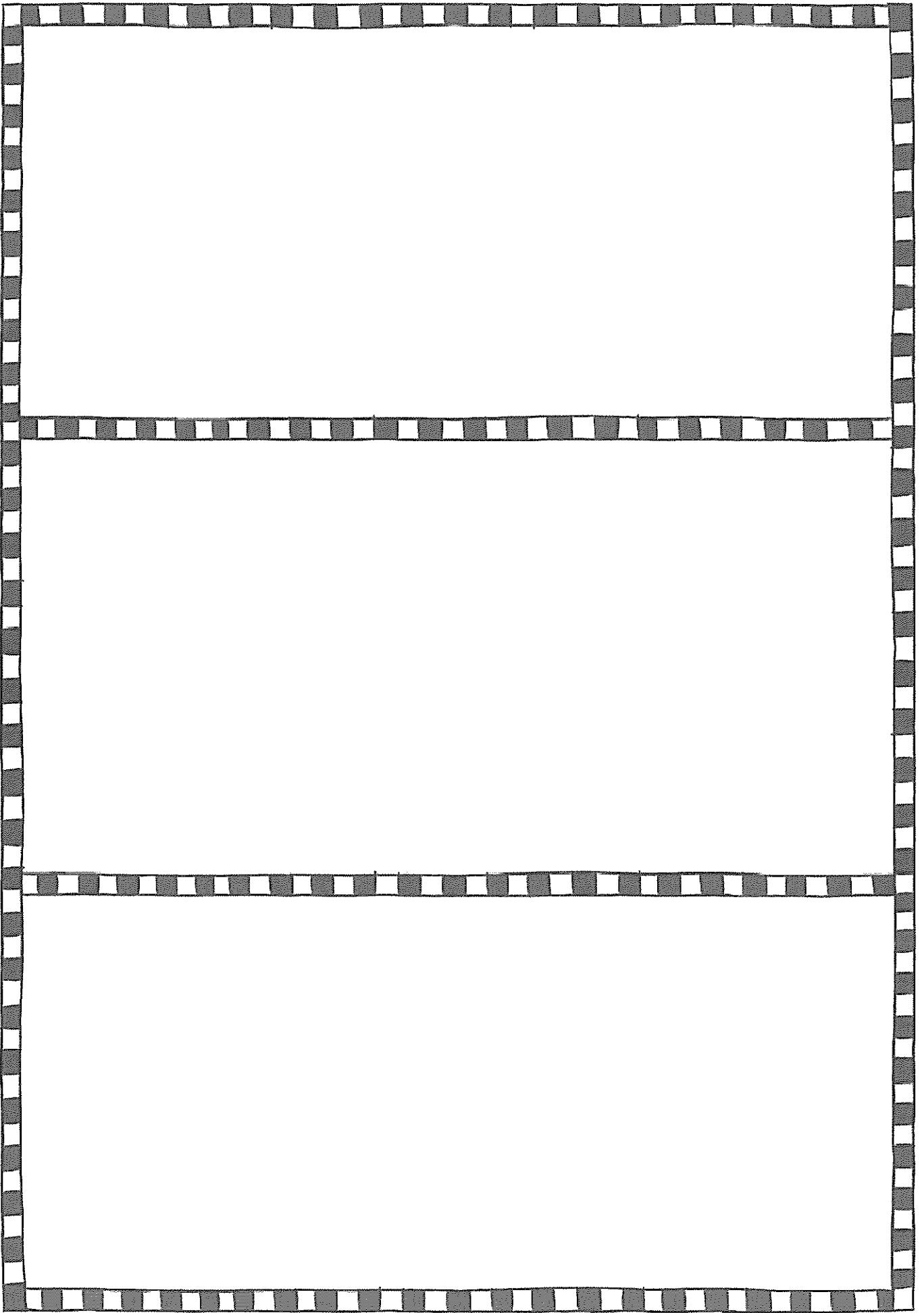


# Cootie Catcher Editable Flippable Template

[www.4mulaFun.com](http://www.4mulaFun.com)

Send pictures of your Flippable  
creations to [4mulaFun@gmail.com](mailto:4mulaFun@gmail.com)



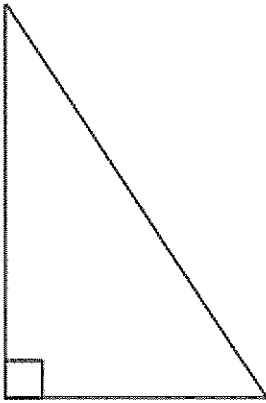




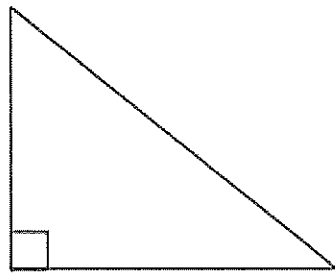
# Calculating the Area of Triangles

Measure the shorter sides to the nearest centimetre and calculate the area of each of these right-angled triangles.

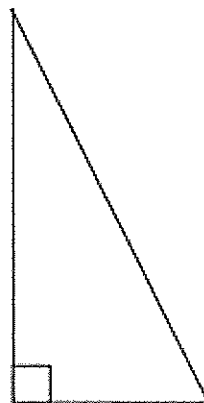
1. \_\_\_\_\_  $\text{cm}^2$



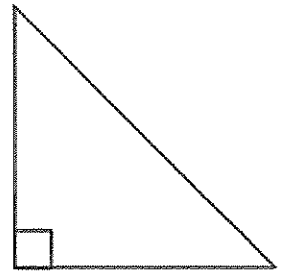
2. \_\_\_\_\_  $\text{cm}^2$



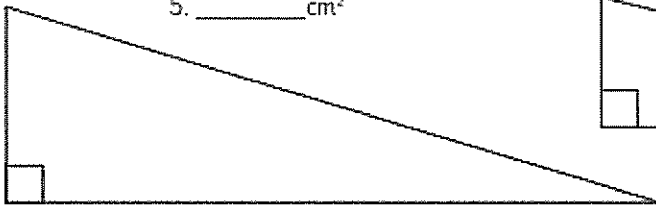
3. \_\_\_\_\_  $\text{cm}^2$



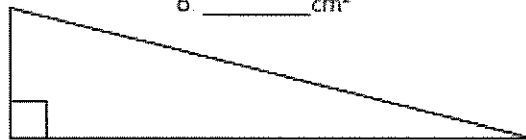
4. \_\_\_\_\_  $\text{cm}^2$



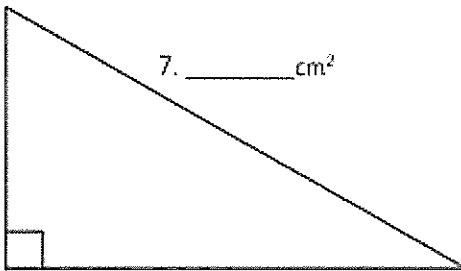
5. \_\_\_\_\_  $\text{cm}^2$



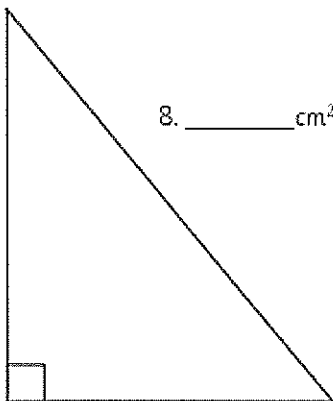
6. \_\_\_\_\_  $\text{cm}^2$



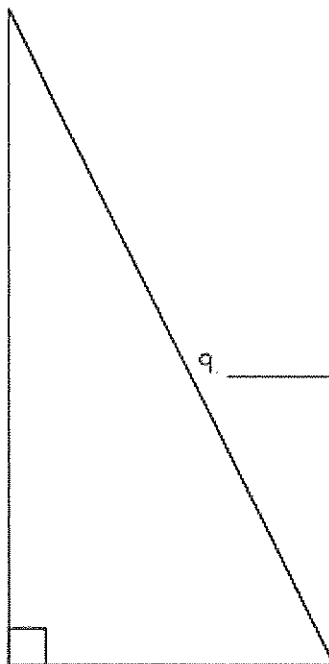
7. \_\_\_\_\_  $\text{cm}^2$



8. \_\_\_\_\_  $\text{cm}^2$



9. \_\_\_\_\_  $\text{cm}^2$



10. \_\_\_\_\_  $\text{cm}^2$



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

Date: \_\_\_\_\_

# Area and Perimeter Word Problems

Problem	Number Sentence and Calculations	Answer
<p>Mrs Brown's classroom is a rectangle. It has a length of 9 m and a width of 7 m. Mr Black's classroom is a square. It has sides of 8 m. What is the area of each classroom? Whose classroom has the greatest area?</p>		
<p>Mila has just bought a rectangular display board for her bedroom. It has a length of 90 cm and a width of 50 cm. Mila would like to put a border of yellow ribbon around the perimeter of her display board. How many centimetres of yellow ribbon will she need to buy?</p>		
<p>David has just bought a new puppy. He needs to build a fence around his backyard so the puppy can't run away and get lost. David's backyard is a rectangle. It has a length of 8 m and a width of 6.5 m. How many metres of fencing does David need to buy?</p>		
<p>Emily does her hair every morning using the square mirror on her bathroom wall. The mirror has sides of 60 cm. What is the perimeter of Emily's mirror? What is the area of Emily's mirror?</p>		
<p>Sammy's dad is laying out new grass in the backyard. The backyard is a square, with sides of 12 m. What is the area of grass that Sammy's dad will need to buy?</p>		

# Area and Perimeter Word Problems

Problem	Number Sentence and Calculations	Answer
Last weekend, Imran went to the circus with his family. The big top was in the shape of a hexagon. Before the circus began, Imran and his family walked around the perimeter of the big top. How many metres did they walk, if each side of the hexagon was 22 m in length?		
Farmer Tom and Farmer Tim own farms next to each other. They both have goats on their farms. Farmer Tom has a large rectangular paddock for his goats with a length of 20 m and a width of 8 m. Farmer Tim has a smaller rectangular paddock for his goats with a length of 10 m and a width of 5 m. If Farmer Tom and Farmer Tim decide to join their paddocks together, what will the area of the new goat paddock be?		
During a heavy thunderstorm, the play area at Sunnyside Primary School is almost completely flooded. On Monday morning, the school principal uses a large, heavy rope to make a square around the part of the playground that isn't flooded, so the children will know where they are allowed to play. The square has sides of 65 m. What is the perimeter and the area of the children's new play space?		

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

Date: \_\_\_\_\_

# Area and Perimeter Word Problems

Problem	Number Sentence and Calculations	Answer
Giovanni's bedroom is a rectangle. Its length is 7 m. If the area of Giovanni's bedroom is $21 \text{ m}^2$ , what is its width?		
Mrs Green loves triangles; and flowers. She wants to build a flower bed in the middle of her backyard, in the shape of an equilateral triangle. If Mrs Green plans for her flower bed to have sides of 3.5 m, what will the perimeter be?		
Sasha wants to completely cover her bedroom window with black curtains, so that no light can come through and wake her early in the morning. Her window is 2 m in length and has a width of 1 m. What area of material will she need to buy?		
Eli has an octagonal trampoline in his backyard. Each side is 1.5 m long. Eli's mum wants to put some safety mesh around the perimeter of the trampoline, so that no one falls off and gets hurt. How many metres of safety mesh will she need to buy?		
Jennifer and James share a bedroom. The length is 12 m and the width is 4 m. One day, Jennifer and James have an argument, so Jennifer places a line of masking tape down the middle of the bedroom. How much area of the bedroom will each child have to play in?		

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

Date: \_\_\_\_\_

# Answers

The area of Mrs Brown's classroom is **63 m<sup>2</sup>**. The area of Mr Black's classroom is **64 m<sup>2</sup>**. Mr Black's classroom is bigger.

Mila will need to buy **280 cm** of ribbon.

David will need to buy **29 m** of fencing.

The perimeter of Emily's mirror is **240 cm**. The area of Emily's mirror is **3 600 cm<sup>2</sup>**.

Sammy's dad will need to buy **144 m<sup>2</sup>** of grass.

Imran and his family walked **132 m**.

Farmer Tom's paddock has an area of **160 m<sup>2</sup>**. Farmer Tim's paddock has an area of **50 m<sup>2</sup>**. Combined, they have a paddock with an area of **210 m<sup>2</sup>**.

The perimeter of the new play space is **260 m**. The area of the new play space is **4 225 m<sup>2</sup>**.

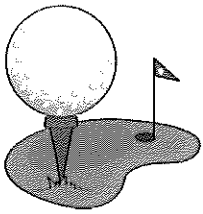
The width of Giovanni's bedroom is **3 m**.

Mrs Green's flower bed will have a perimeter of **10.5 m**.

Sasha will need to buy **2 m<sup>2</sup>** of material.

Eli's mum will need to buy **12 m** of safety mesh.

Each child will have **24 m<sup>2</sup>** to play in.



*Titleist®*

## Design your dream Mini Golf Course

You have just been chosen to design a pro mini golf course for the Australian PMGA Tour event.

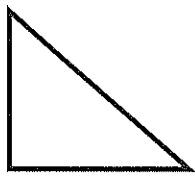
Your course needs to be challenging for the players and it can have bunkers, mountains, forests, lava lakes obstacles etc.

Once you have designed your holes, you need to show how a professional player would hit (using angles) to bounce off the walls to get it in.

### Your course needs to have the following:

1. At least **5** holes with a variety of challenging obstacles.
2. At least **4** displays of parallel and perpendicular lines
3. At least **2** of each angle acute, obtuse, right, reflex and straight angles included in the shots
4. A variety of **2-D** shapes in the bunkers, lakes, Forest etc. (eg. Square lake, Isosceles triangle pyramids, rhombus walls)
5. In your shots on each golf hole you must show that you have accurately measured angles of  
63 Degrees  
97 Degrees  
235 Degrees  
12 Degrees  
300 Degrees

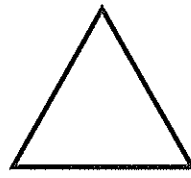
Shapes you must include your course



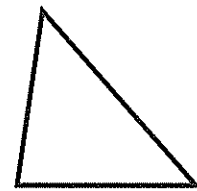
Right angle



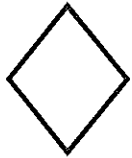
Isosceles



Equilateral



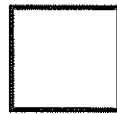
Scalene



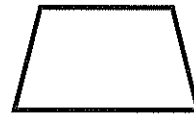
Diamond



Rectangle



Square



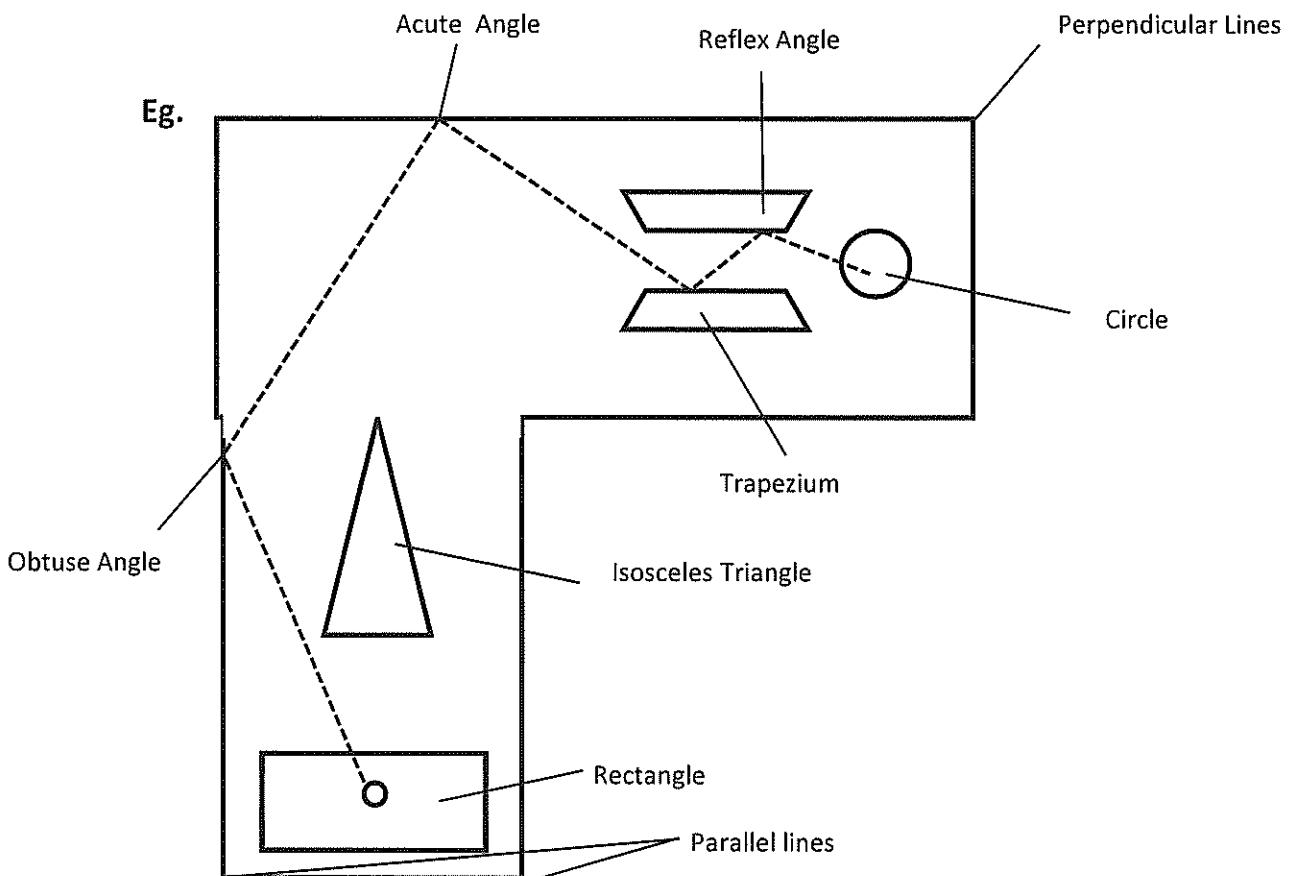
Trapezium

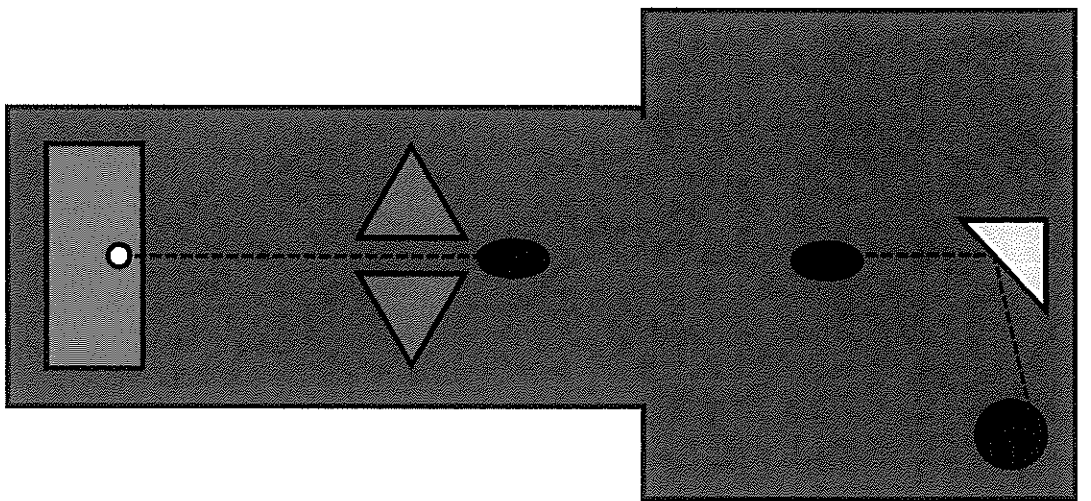
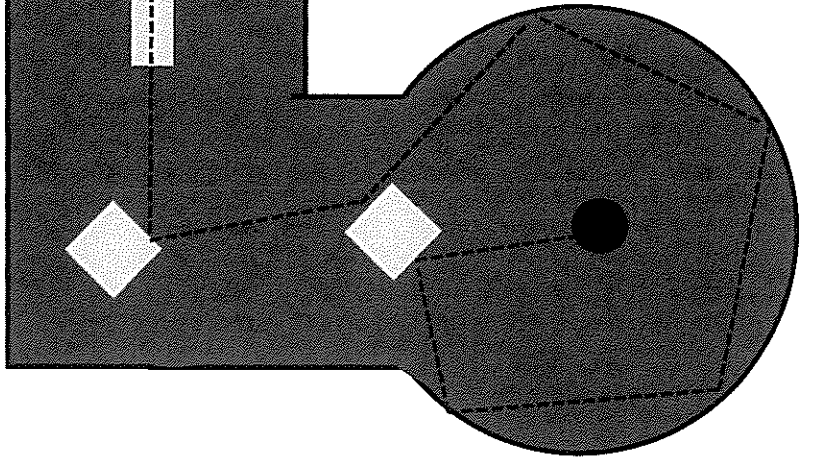
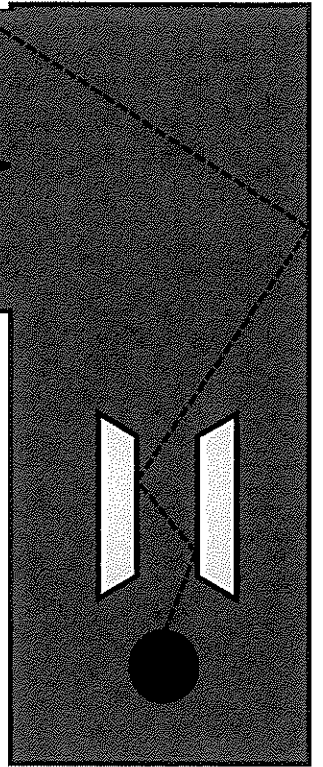
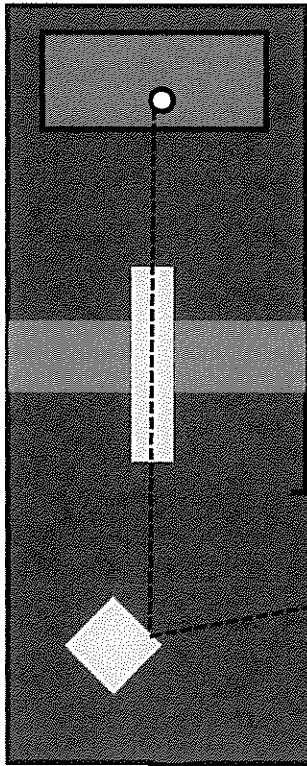
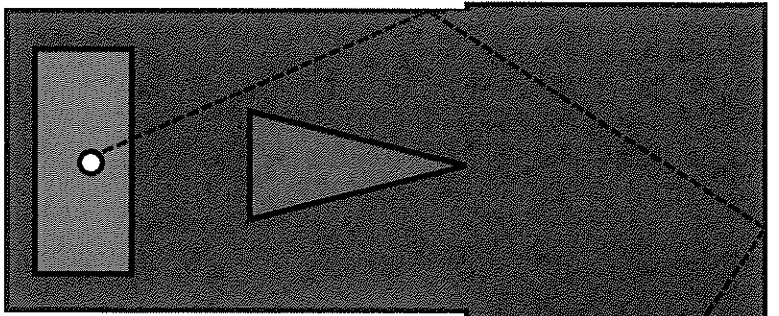


Parallel Lines

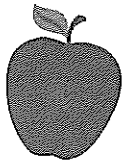


Perpendicular Lines

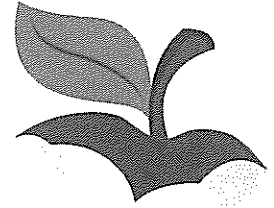
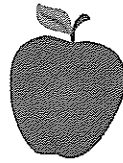
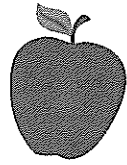
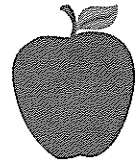








# Fruit Frenzy

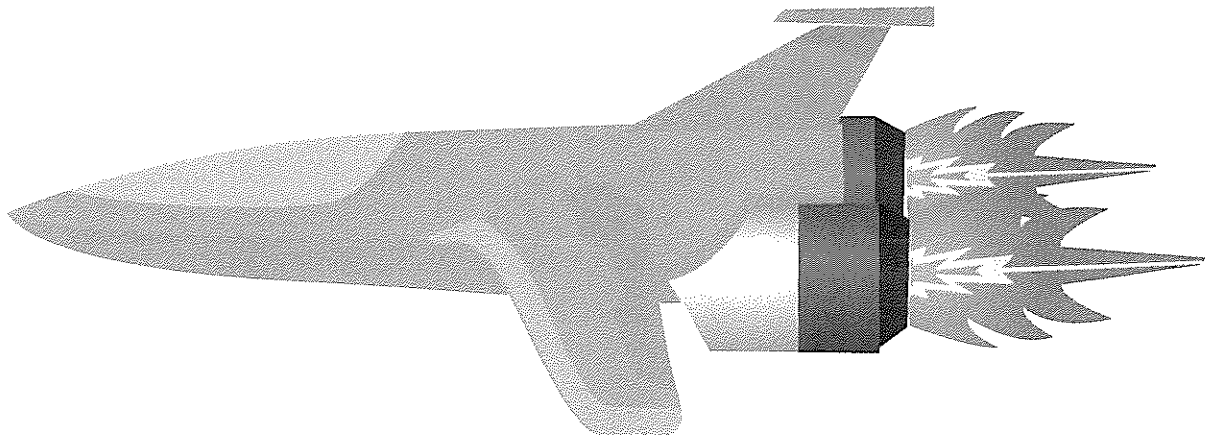


Jason bought 6 apples. Tyson bought 3 more apples than Jason. Michael bought twice as many apples as Tyson.

**How many apples did Michael buy?**



# Speeding Spaceship



The supersonic spaceship could fly from Earth to the Moon in 4 minutes. Mars is 142 times further away from the Earth than the Moon.

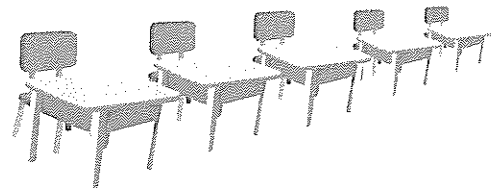
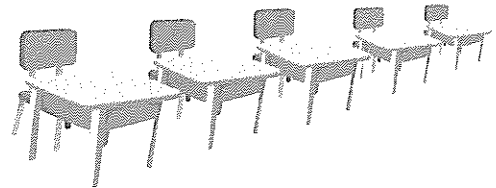
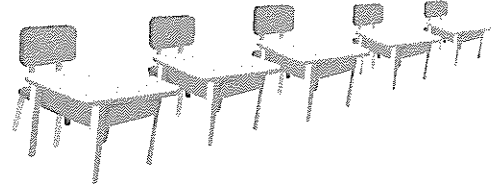
**How many minutes would it take to fly to Mars?**

# Assembly Addition

Lucy wanted to know how many children attended her school. She knew that 4 classes had 30 children, 2 classes had 27 children and the last class had 29.

**How many children attend Lucy's school?**

**What is the average number of children per class?**

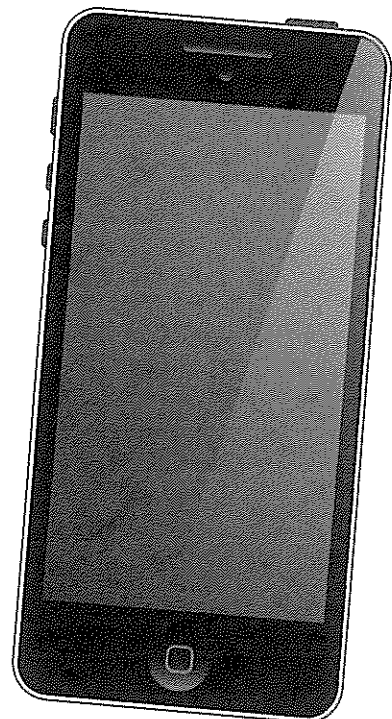


# Texting Time

Michelle can type an average of 30 words per minute when she writes a text message. Her average text message is 20 words long.

**How many words can she type in 3 minutes?**

**How many text messages can she write in 4 minutes?**

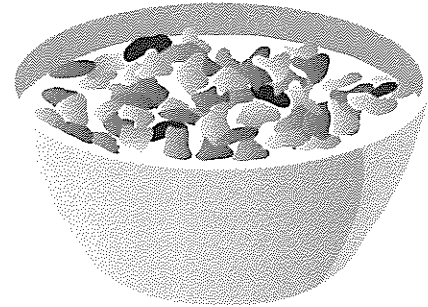


# Breakfast Business

Peter loves cereal! He has one bowl every morning for breakfast. Each bowl of cereal uses 250ml of milk.

**How much milk does Peter use on his cereal each week?**

**If a bottle of milk holds 2 litres, how often will Peter's mum need to buy a new bottle of milk?**



# Muddled Music

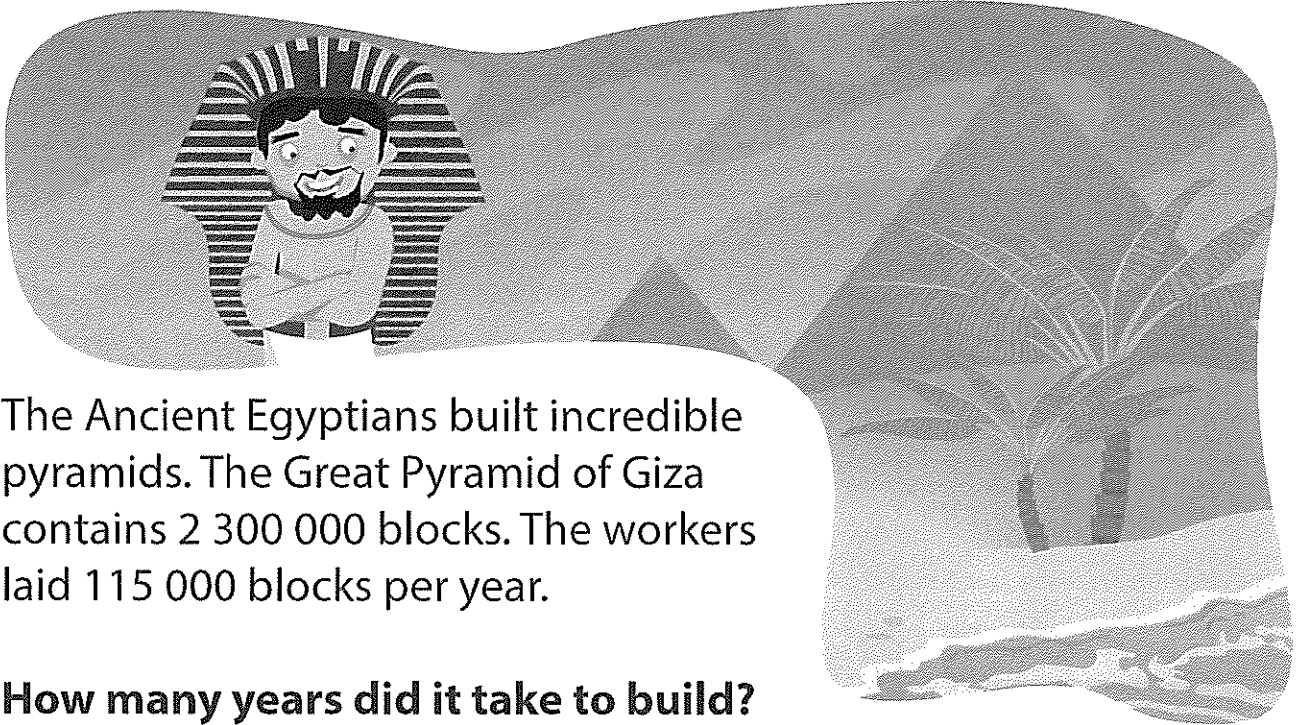
Ashley has 1200 songs on his laptop. The average song is 3 minutes in length.

**How many minutes of music does Ashley have?**

**How many hours of music does Ashley have?**



# Pyramid Puzzle



The Ancient Egyptians built incredible pyramids. The Great Pyramid of Giza contains 2 300 000 blocks. The workers laid 115 000 blocks per year.

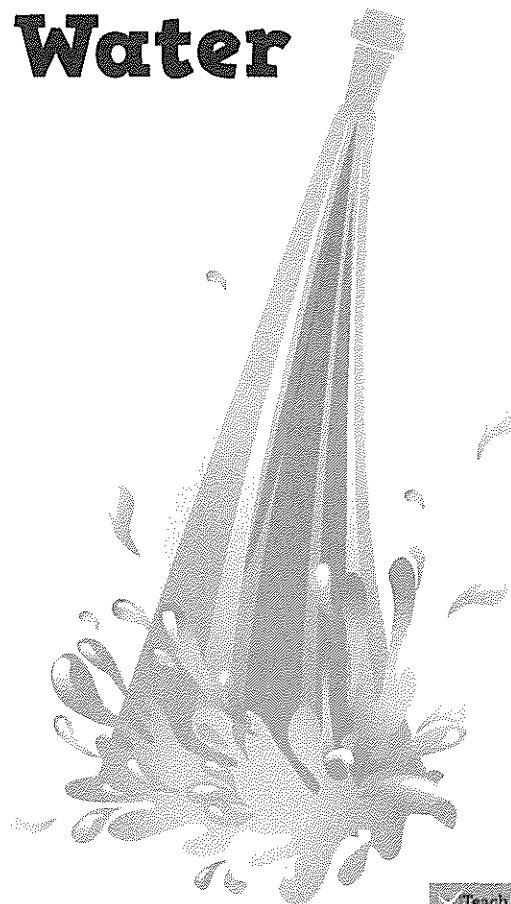
**How many years did it take to build?**

# Wasting Water

For every 3 minutes in the shower, you use 21 litres of water.

**How much water would you use in a 10 minute shower?**

**How long would you shower for if you only wanted to use 17.5 litres?**



# Bedroom Budget

You have been given \$1000 to spend on decorating your bedroom. You purchased a bed for \$450, a bedside table for \$80 and a chest of drawers for \$265.

**How much money do you have left?**

**How much more money would you need to also buy a TV for \$560?**

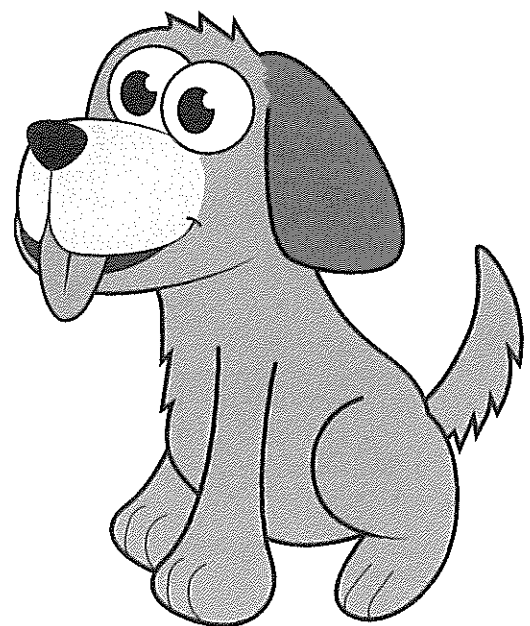


# Dog Dinner

Jill's dog eats 2 cups of dog food on Monday, Wednesday and Friday. He eats 1.5 cups on Tuesday and Thursday. On the weekend, he eats 2.5 cups.

**How many cups of food does Jill's dog eat each week?**

**If the bag of dog food holds 154 cups of food, how many weeks will it last?**



# Answers

1. Fruit Frenzy  
18 apples

2. Space Race  
568 minutes

3. Assembly Addition  
203 students  
29 students per class

4. Texting Time  
90 words  
6 text messages

5. Breakfast Business  
1750ml  
Every 8 days

6. Muddled Music  
3,600 minutes  
60 hours

7. Pyramid Puzzle  
20 years

8. Wasting Water  
70 litres  
2 minutes 30 seconds

9. Bedroom Budget  
\$205  
\$355

10. Dog Dinner  
14 cups per week  
11 weeks

# Journey around Australia

**Outcomes:**

Addition and Subtraction MA3-5NA

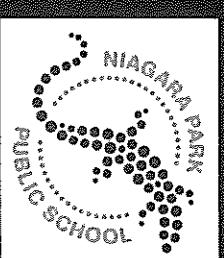
Multiplication and Division MA3-6NA

Length MA3-9MG

Time MA3-13MG



**Weeks 9 and 10 Maths Investigation**



# Your mission statement...

You are tasked to deliver an important message to every state and territory government. You need to visit every major city in Australia.

You are only allowed to travel by plane if the distance between the cities is greater than 1000km. If it is under 1000km you must find another mode of transport.

You also need to stay in a 4 or 5 star hotel for one night whilst you are in that city.

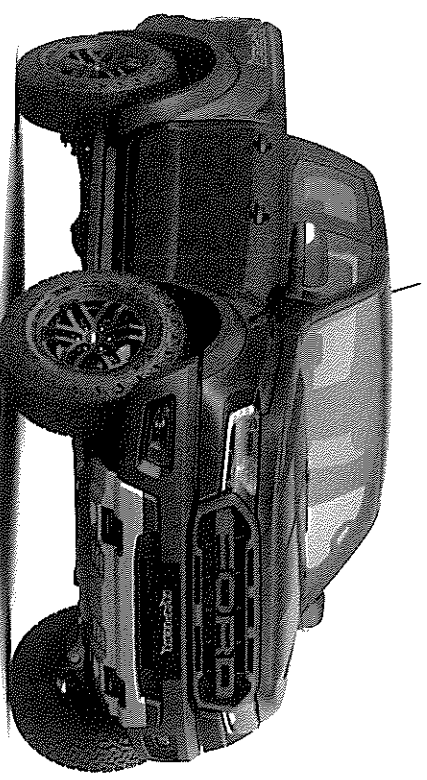
Your starting point is Sydney, NSW.  
Brisbane, QLD  
Darwin, NT  
Perth, WA  
Adelaide, SA  
Melbourne, VIC  
Hobart, TAS  
Canberra, ACT  
You don't need to visit each city in this order.



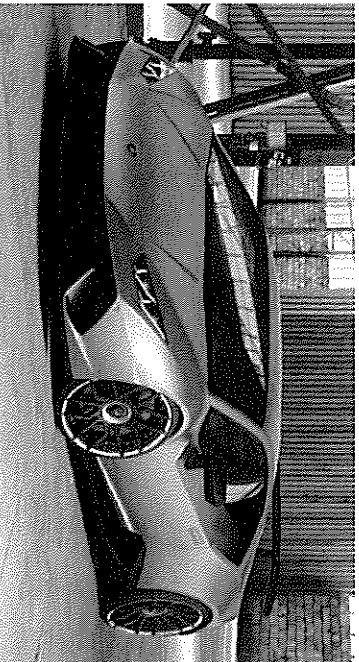
# Modes of transport you can have:



Fuel cost is \$10 per 1km travelled.



Fuel cost is \$1 per 1km travelled.



Fuel cost is \$3 per 1km travelled.



# Your task...

You need to map out your journey in the form of a diary entry. It doesn't matter the order of which city you go to next as you can see by my two examples.

Example...

**Day One** = Drove from Sydney to

Brisbane which was 915.6km.

- I drove the Ford Ranger and spent \$915.60 on fuel.
- I left Sydney at 8am in the morning and the journey took 9 hours and 56 minutes. I arrived at 5:56pm.
- I stayed at the meriton suite on Adelaide street and it cost me \$109.

**My total cost for day one is \$1024.60**

Example...

**Day One** = Flew from Sydney to Perth

which was 3200km.

- I took the Qantas Plane and it cost \$32 000 in fuel.
- I left Sydney at 10am and the flight took approximately 4 hours and 10 minutes. Which means I landed in Perth at 11:10am because of the **time difference.**
- I stayed at the Hyatt Regency for \$130 a night.

**My total cost for day one is \$32 130**

# Day 1

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accommodation and how much does it cost?
- 6) What is your total cost of today?



# Day 2

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accommodation and how much does it cost?
- 6) What is your total cost of today?



# Day 3

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accommodation and how much does it cost?
- 6) What is your total cost of today?



# Day 4

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accomodation and how much does it cost?
- 6) What is your total cost of today?



# Day 5

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accommodation and how much does it cost?
- 6) What is your total cost of today?



# Day 6

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accomodation and how much does it cost?
- 6) What is your total cost of today?





# Day 7

- 1) Where did you fly from and to?
- 2) Time you departed and Time you arrived at your destination?
- 3) How far have you travelled today?
- 4) What most of transport did you select? How much did you spend on fuel?
- 5) Where is your overnight accomodation and how much does it cost?
- 6) What is your total cost of today?



**At the end of your trip, I would like you to answer these questions:**

- 1) How much money did you spend?
- 2) How much time did you spend travelling?
- 3) What was the total distance travelled?
- 4) Do you think your journey could have been cheaper? If yes, how so?
- 5) Do you think you could complete this trip if you had a \$50 000 budget? Please explain your answer.



