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Ka haere ā Kalani ki Ngā Taumahekeheke o Te Ao

Kalani goes to the Olympics

Resource Sheet

Student Name: _____

Class Name: _____

Date Completed: _____

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Opening Ceremony

Questions:

1. How many rings are there?

2. What colours are the rings?

Look at the image on the Student Sheet and to answer the questions below:

1. How many boats can you see?

2. How many animals can you see?

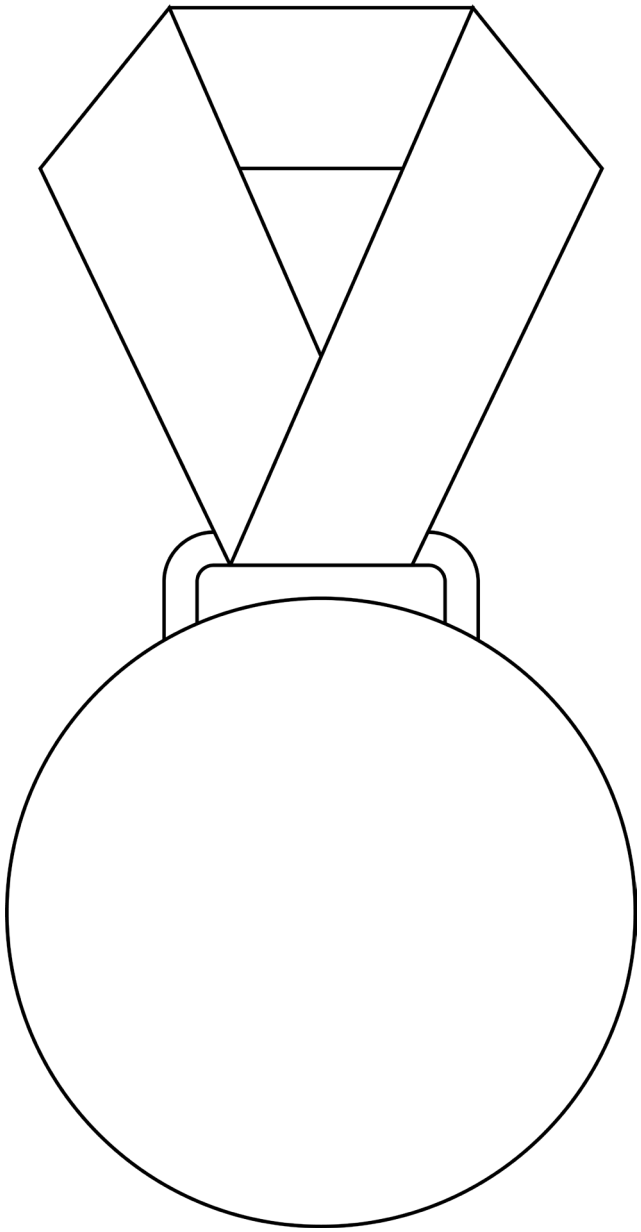
3. How many medals can you see?

4. How many Gold medals can you see?

5. How many Silver medals can you see?

6. How many Bronze medals can you see?

7. If there were 2 more boats in the river, how many boats would there be altogether?



Design your own Olympic Medal:

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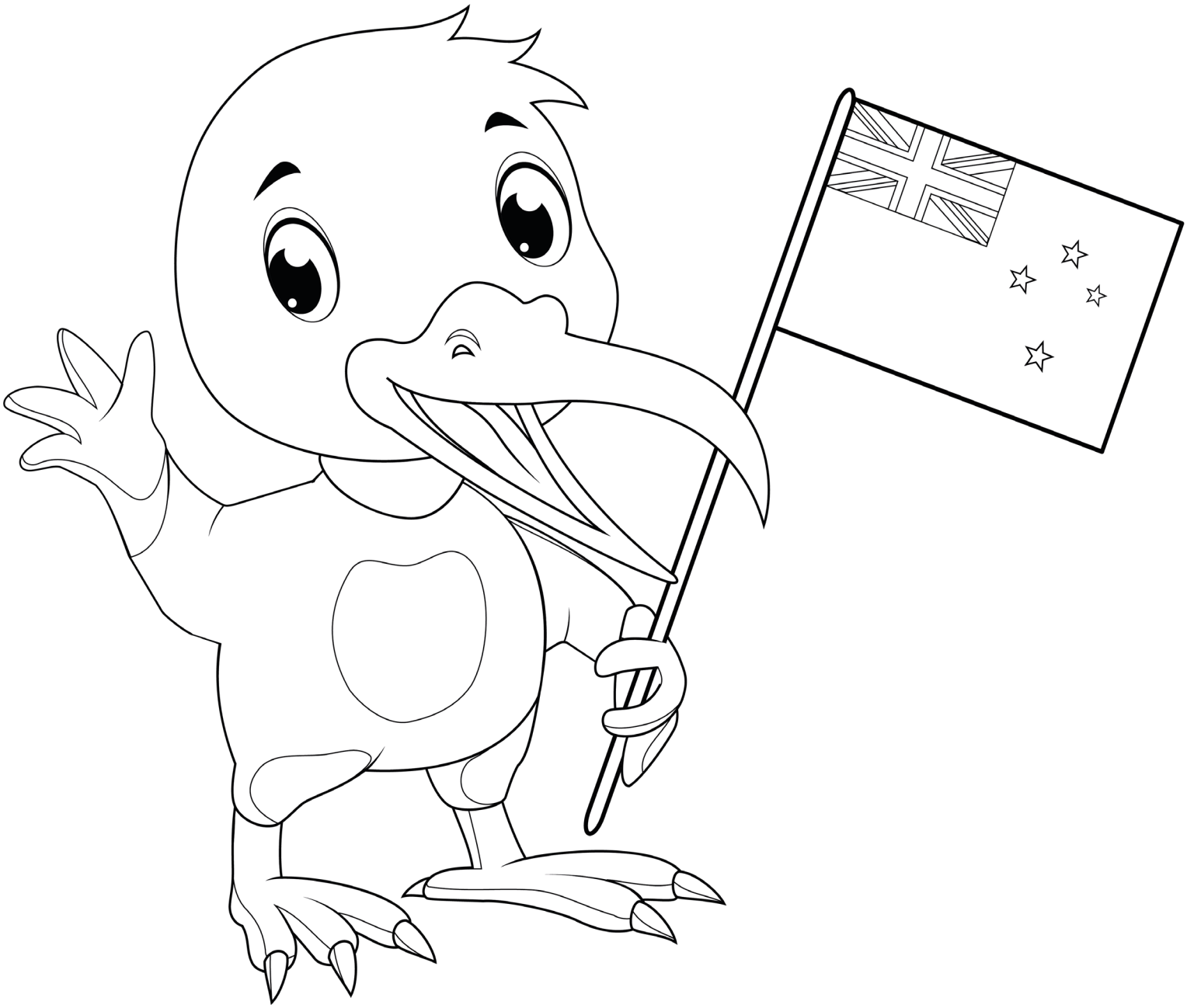
Student Activity:

Colour in Kalani and the New Zealand Flag



Questions:

1. How many stars are on the New Zealand Flag?

2. How many nails/claws can you see on Kalani's feet?

3. What colour did you colour in Kalani?

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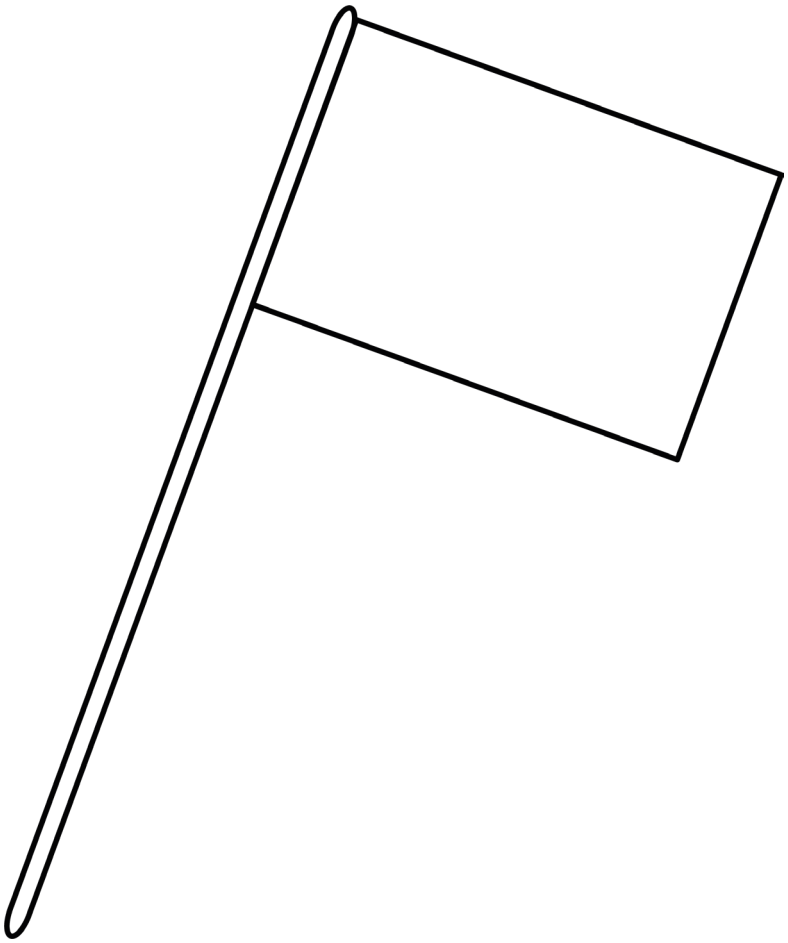
Student Activity:

Create your own character to compete in the Olympics and design them a flag



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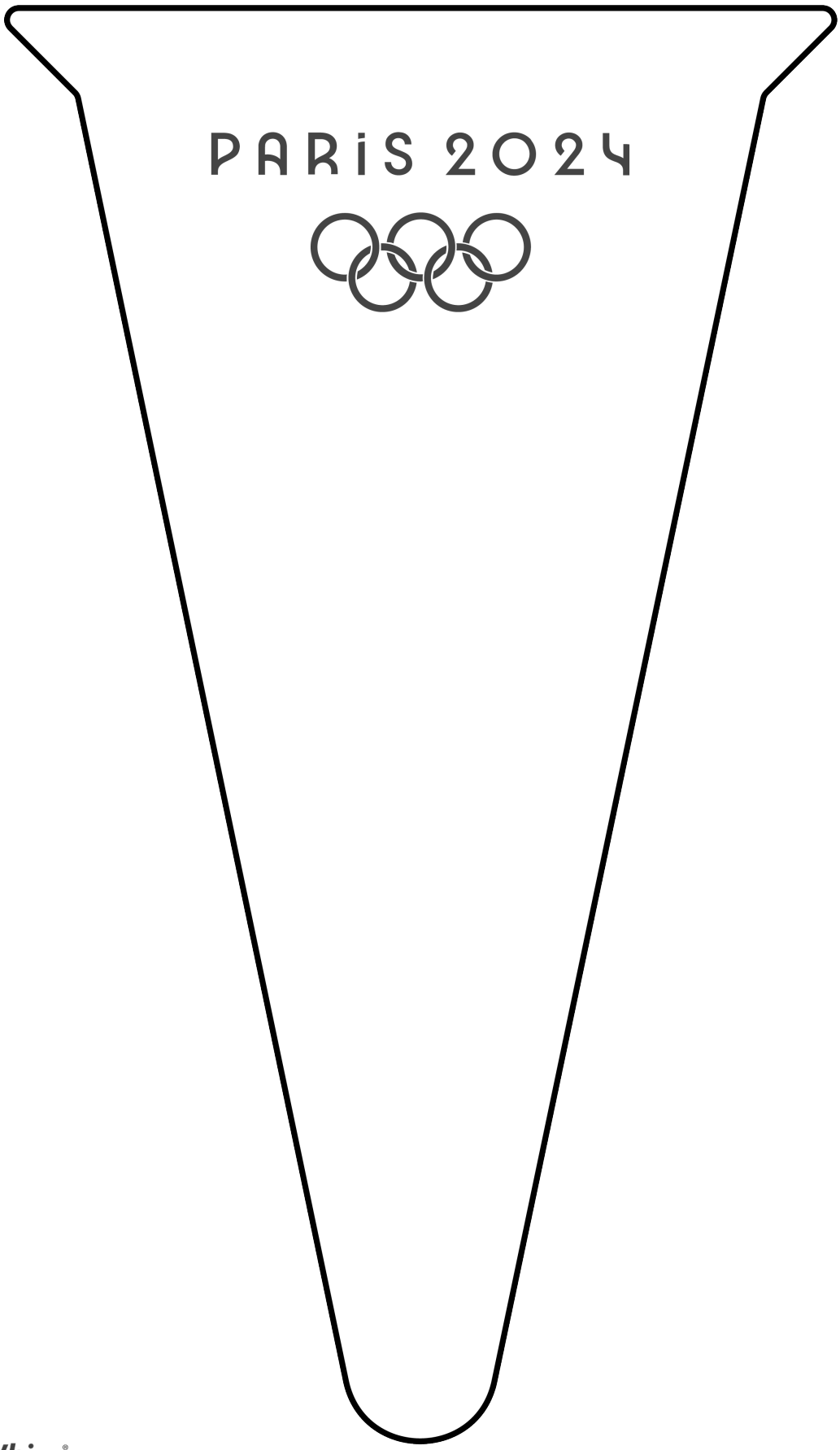
Teacher & Student Activity:

On a piece of paper, trace around your hand. Cut out your hand print. Colour in and cut out the Torch base template below. Write your name on your Olympic Torch. Glue your hand print to the Torch base to create your Olympic Torch and Flame!



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Opening Ceremony

2

Questions:

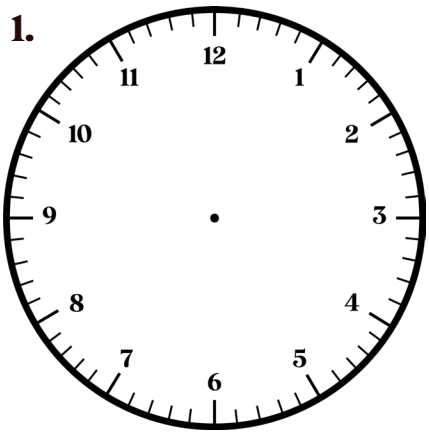
Using the boat image on the Student Sheet, look at the angles and sort their letter into the correct box.

Smaller than a right angle (acute)	**Right angle (90°)**	**Larger than a right angle (obtuse)**

Questions:

Read the times given on the student sheet and draw the correct times on the blank clocks below.

1.



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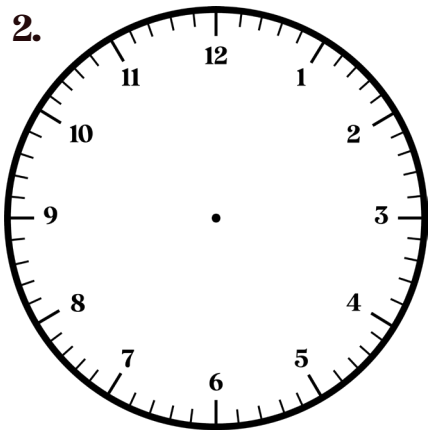

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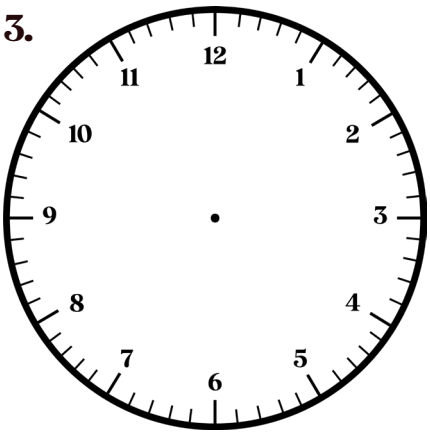

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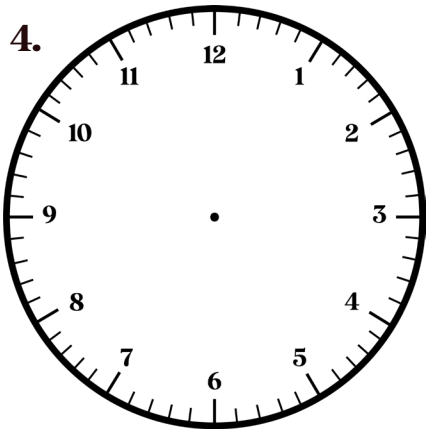

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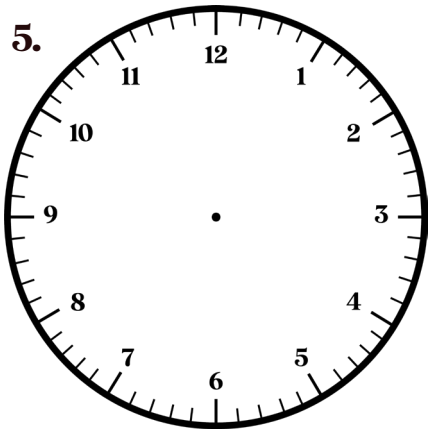
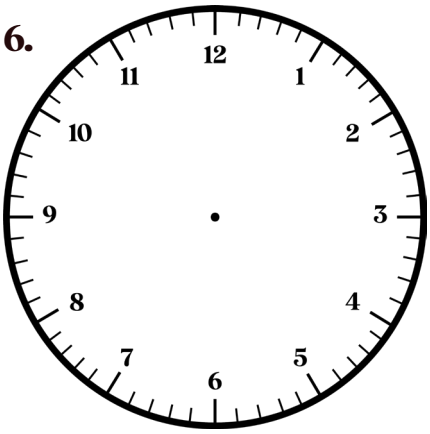


6.



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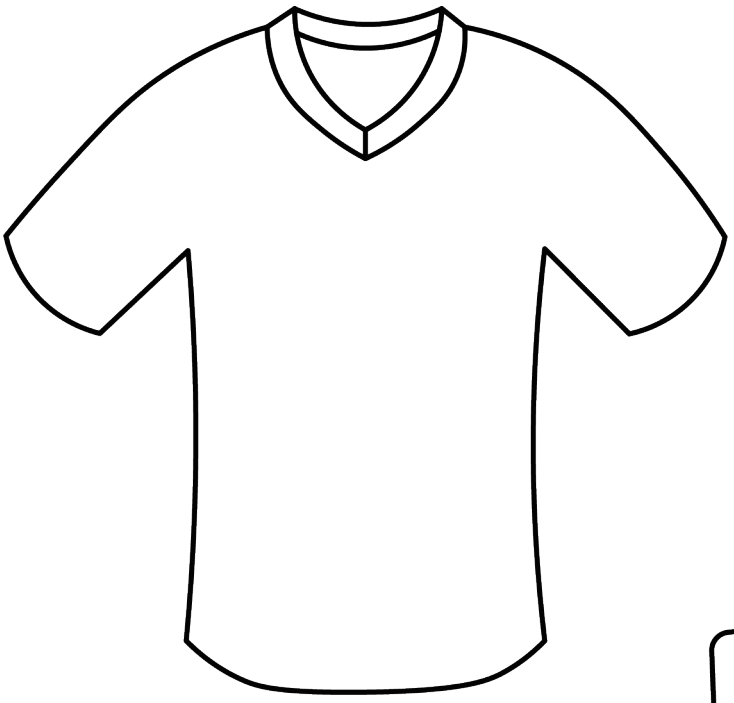
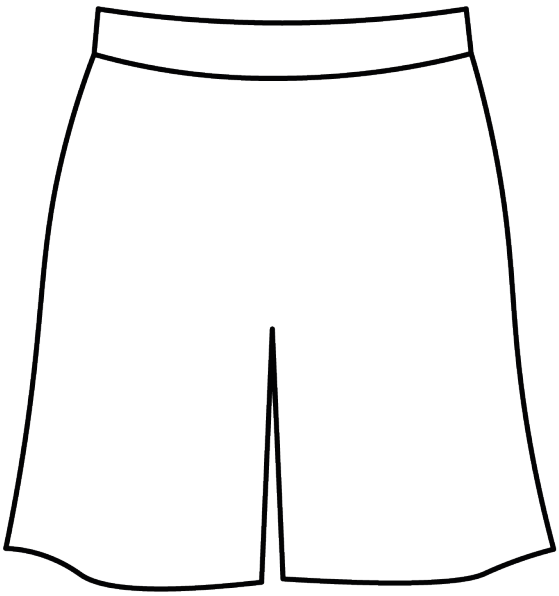
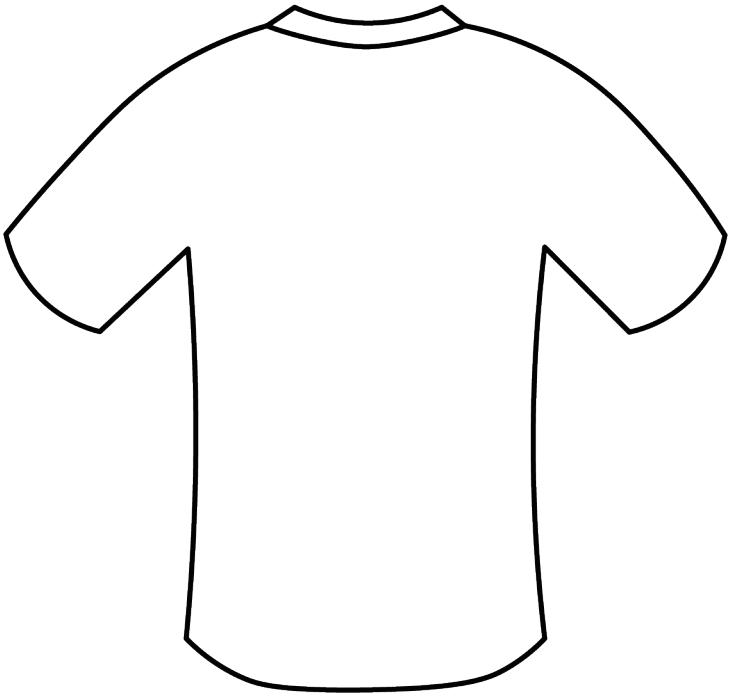
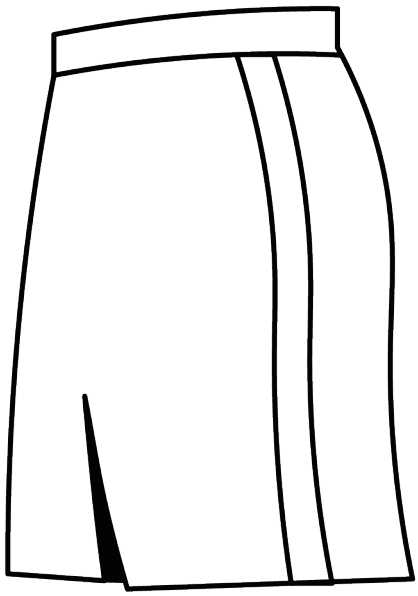
Student Activity:

Design your team's uniform for the Olympics!









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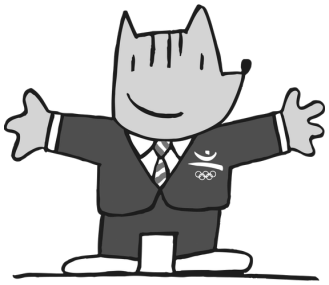
Opening Ceremony

Student Activity:

Match the Mascot

11 Paris 2024



14 ☐

6 ☐

4 ☐

20 ☐

8 ☐

9 ☐

A	Paris 2024
B	Barcelona 1992
C	Rio 2016
D	Atlanta 1996
E	Tokyo 2020
F	Seoul 1988
G	Los Angeles 1984

A) $5 + 3 \times 2 =$ 11

B) $2 \times (3 + 4) =$ ☐

C) $12 - 4 \times 2 =$ ☐

D) $2 + 3 \times 6 =$ ☐

E) $3(2 + 4) - 9 =$ ☐

F) $16 - 4 \times 2 =$ ☐

G) $12 - 2 \times 3 =$ ☐

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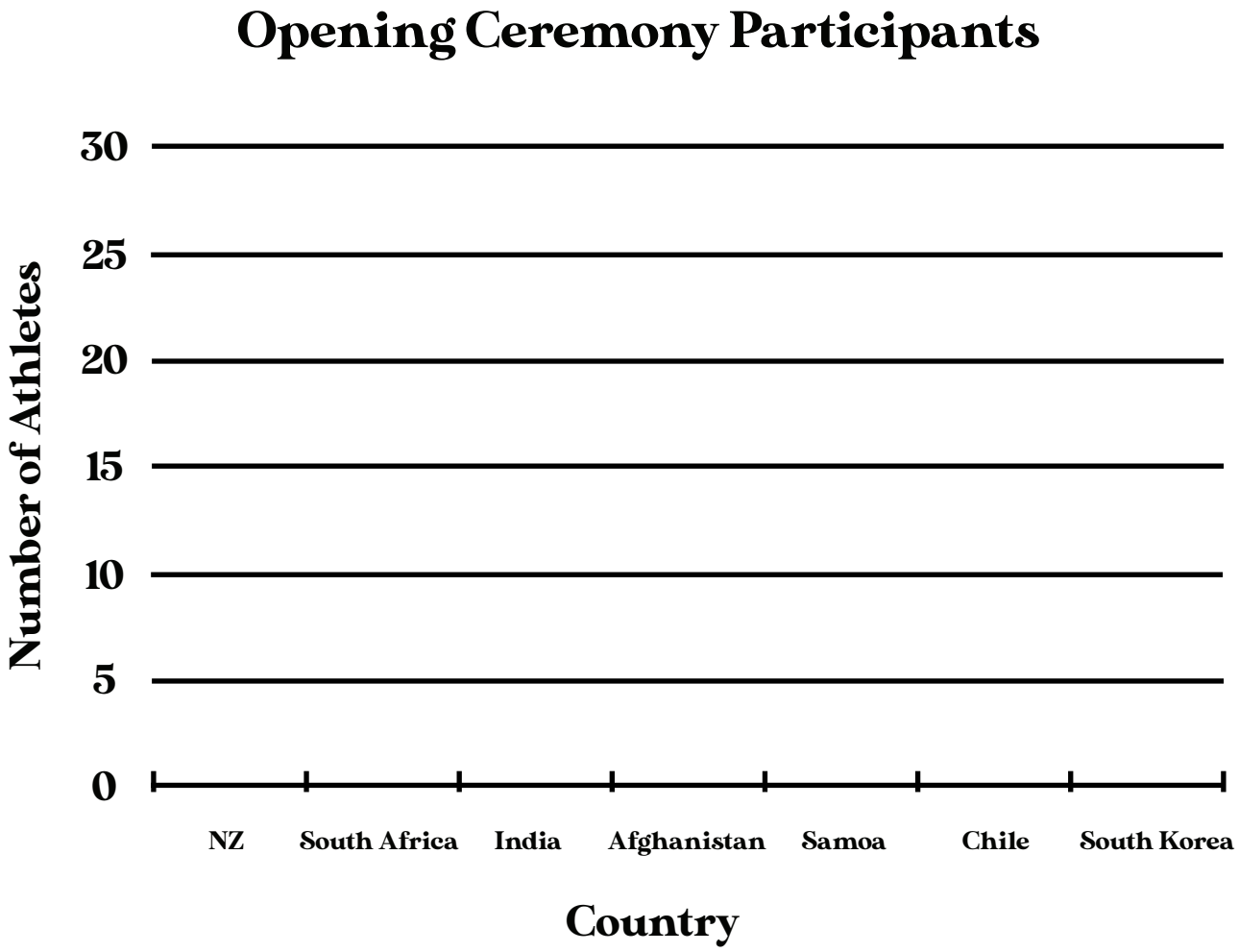
Questions:

Kalani and his friends from around the world are in the Opening Ceremony.

- **Kalani the Kiwi is representing New Zealand with 25 other athletes**
- **Sabah the Springbok is representing South Africa with 20 other athletes**
- **Pritika the Peacock is representing India with 17 other athletes**
- **Saber the Snow Leopard is representing Afghanistan with 5 other athletes**
- **Meli the Manumea is representing Samoa with 8 other athletes**
- **Dyana the Deer is representing Chile with 15 other athletes**
- **Tae the Tiger is representing South Korea with 27 other athletes**

1. Complete the bar graph showing how many athletes are competing in the Olympics (don't forget to include Kalani and his friends!).



2. Which country has the most athletes competing in the Olympics?

3. How many athletes are there altogether?

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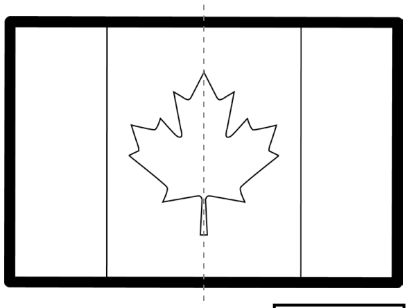
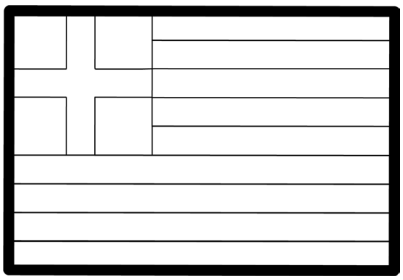
Student Activity:

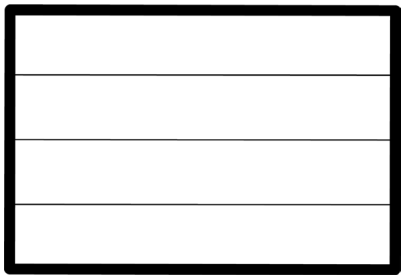
Colour in the flags correctly and then show the lines of symmetry on each flag, and write how many lines of symmetry there are for each flag.



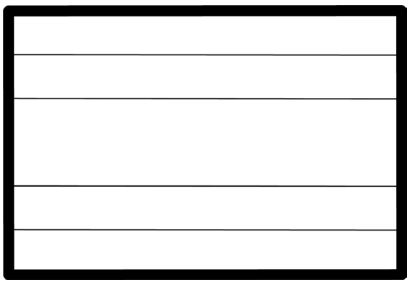
Canada | 1



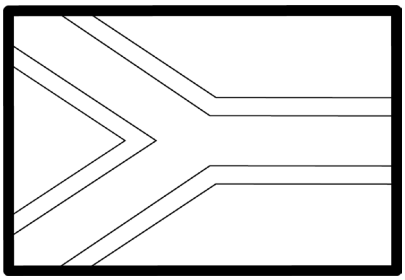
Greece |



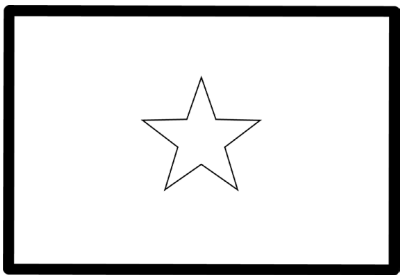
Mauritius |



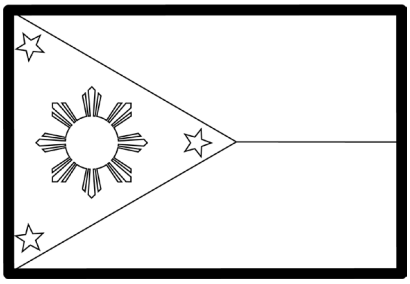
Thailand |



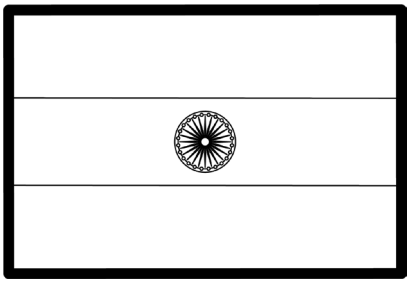
South Africa |



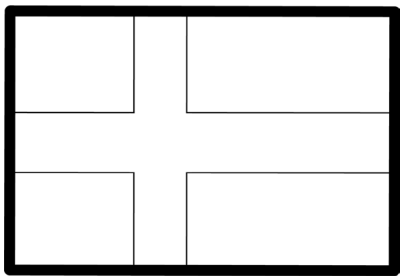
Somalia |



Phillipines |



India |



Finland |

Questions:

1. With the first 5 odd numbers, use ×, +, ÷, and − once each to find the:

- **Biggest number you can come up with**

- **Smallest number you can come up with**

2. With the first 5 even numbers, use ×, +, ÷, and − once each to find the:

- **Biggest number you can come up with**

- **Smallest number you can come up with**

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Opening Ceremony

Questions:

Time Zones

Using the time zone table on the student sheet, answer the following questions:

The boat parade starts at 8:15 p.m in Paris.

1. What time does it start in NZ?

2. What time does it start in London?

3. What time does it start in Sydney, Australia?

4. What time does it start in Delhi, India?

5. If I turned the TV on when I got home from school at 4pm, would there be live events on for me to watch? Why or why not?

7. The first game for the Men's Rugby Sevens is at 6pm in Paris.What time is that in NZ?

8. The first game for the Women's Rugby Sevens is at 4am NZ time. What time is this in Paris?

9. The Olympic Schedule says that Men's Golf starts at 19:00 NZ time. This is using the 24 hour clock.

a. What time is this on the 12 hour clock (am/pm)?

b. What time is this in Paris?

c. If you were on holiday in Sydney and wanted to watch the golf, what time would you have to tune in from Australia?

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Student Activity:

Complete the Olympics word search:

Words in the puzzle are hidden in these directions: ↑ ↓ → ← ↘

G	K	C	Z	H	A	S	T	A	D	I	U	M	A	T	H	L	E	T	E	Z	Y	N
O	A	O	O	F	O	G	K	B	M	D	L	F	U	F	J	V	M	M	E	P	U	K
O	Q	M	A	M	T	S	I	Q	M	S	I	R	A	P	R	S	W	D	Z	A	I	C
T	Y	P	E	F	E	Z	W	R	A	C	E	V	M	N	T	N	J	O	N	R	R	A
T	A	E	Y	S	A	D	I	Y	N	O	M	E	R	E	C	O	S	I	O	A	E	R
C	L	T	N	F	R	C	A	S	C	G	R	E	E	K	R	R	J	Q	R	D	N	T
E	E	I	O	I	O	R	L	L	J	S	X	T	O	F	E	D	M	U	B	E	N	Y
L	R	T	L	R	A	D	L	O	G	N	K	O	L	G	W	L	U	M	Z	F	I	C
E	J	I	H	E	V	Y	G	O	L	O	A	C	Y	A	O	U	I	R	F	Z	W	O
B	L	O	T	W	E	N	I	E	S	I	N	S	M	L	T	A	D	O	L	S	T	U
R	W	N	A	O	J	I	A	Q	U	T	T	A	P	F	L	C	O	F	A	Z	R	N
A	C	S	I	R	E	V	L	I	S	A	H	M	I	H	E	J	P	I	M	H	L	T
T	U	G	R	K	J	K	Q	I	A	N	E	T	C	G	F	F	P	N	E	C	U	R
E	Q	N	T	S	N	B	L	V	R	R	M	X	S	E	F	V	N	U	W	R	N	Y
H	I	I	M	T	E	D	R	O	C	E	R	I	G	N	I	T	E	H	H	O	F	O
B	S	R	R	D	X	J	G	B	O	A	T	N	Z	K	E	P	V	C	O	T	E	S

Word list:

Anthem	Nations	Eiffel Tower	Athlete
Ceremony	Flag	Boat	Flame
Games	Country	Paris	Ignite
Medal	Bronze	Cauldron	Podium
Record	Aotearoa	Track	Torch
Winner	Competition	Uniform	Triathlon
Relay	Olympics	Celebrate	Seine
Fireworks	Stadium	Race	Parade
Rings	Kiwi	Silver	Greek
Mascot			

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Questions:

Boats on the Seine

There are 94 boats and 10,500 athletes in the Opening Ceremony procession and the ceremony length is 6km.

1. **What is the average number of athletes per boat?**

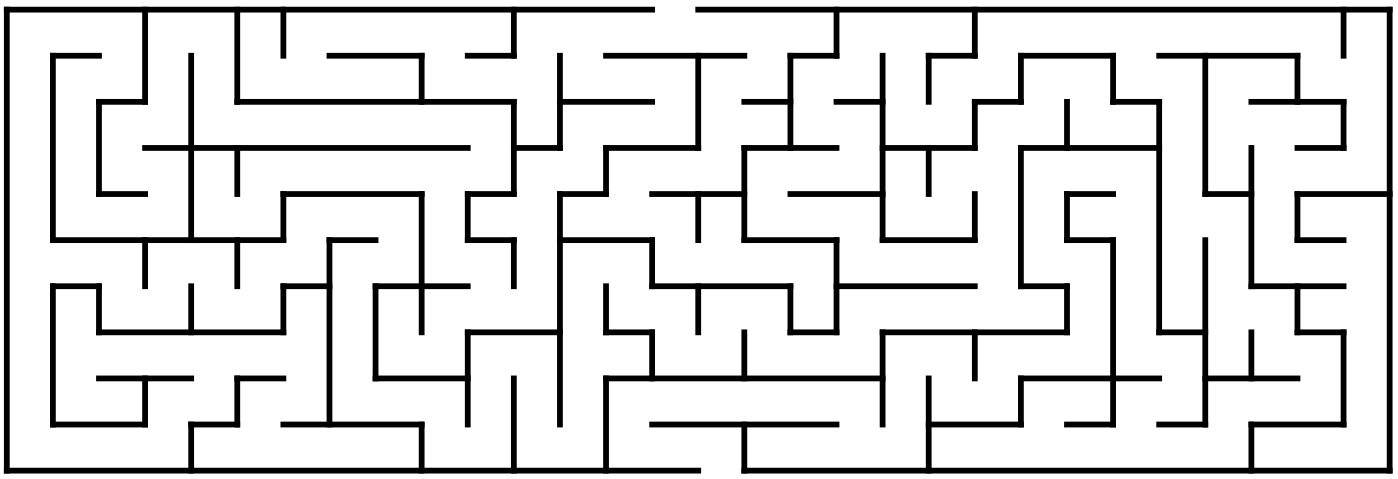
2. **If the average dimensions of a boat is 30m long and 6m wide, how much space (area) will an athlete have to stand and move around in?**

3. **If there are 94 boats, and there is space for 4 boats to travel side by side. There needs to be at least 2 boat lengths (60m) between the boats. Each boat will take up 90m of space, 30m for the boat + a 60m gap back to the next boat.**
   How long will the line of boats be?

4. **The opening is due to start at 7:30 pm local time in Paris. If the boat parade gets underway at 8:15pm and takes 50 minutes to complete, what time will the last boat finish?**

Student Activity:

Complete the maze



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Opening Ceremony

Questions:

Locate the landmark

Find the answer to each letter and its landmark to fill in the blank map.

A	Opera Garnier	F	Pantheon	K	Catacombs
B	Notre Dame	G	City of Science	L	Orsay Museum
C	Eiffel Tower	H	Louvre Museum	M	Arc de Triomphe
D	Moulin Rouge	I	Sacré Coeur	N	Montoarnasse Tower
E	Père Lachaise Cemetery	J	Place Concorde		

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Questions:

Locate the landmark

A) What is the sum of the first 5 prime numbers =

B) What is the sum of the first 3 square numbers =

C) What is the sum of the first 3 cube numbers =

D) $\sqrt{36} - 10 =$

E) $4^2 + 3^2 - 2^2 - 1^2 =$

F) $\frac{1}{2} \times \frac{1}{3} + \frac{7}{12} + \frac{1}{2} \times \frac{1}{2} =$

G) The sum of the prime factors of 12 =

H) The sum of the prime factors of 15 =

I) The sum of the prime factors of 20 =

J) $3 - \sqrt{25}$

K) $-2^2 + 3^2 =$

L) $-4 + -6 - -14 =$

M) The surface area of a 2cm cube divided by its volume =

N) How many mm^2 in a cm^2 =

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Questions:

Olympic Torch Relay

Locate the town/city on the map or give the coordinates of the town/city

1. What town is located at (-3,-1)?

2. Travelling from Vienne on a bearing of 045° would take you to Indre.

3. Translate Indre 4 units to the left and you will arrive at Morbihan.

4. If you travelled on a bearing of 315° from Morbihan you would arrive at Finistère.

5. Gers is NW of Pyrénées-Orientales.

6. Seine-Maritime is directly North of Gers.

7. Vichy is (1,-1).

8. Haute Marne is East of Finistère.

9. Loire is directly South of Haute Marne.

10. If you travelled from Vichy to Loire, what bearing would this be?

11. Oise is East of Seine-Maritime.

12. What is the Northernmost of all the towns?

13. Which town is NW of Loire?

14. Doubs is SE of Oise.

15. What town is North of Alpes-de-Haute-Provence?

16. Haute-Savoie is (5,-2).

17. What town is SE of Gers?

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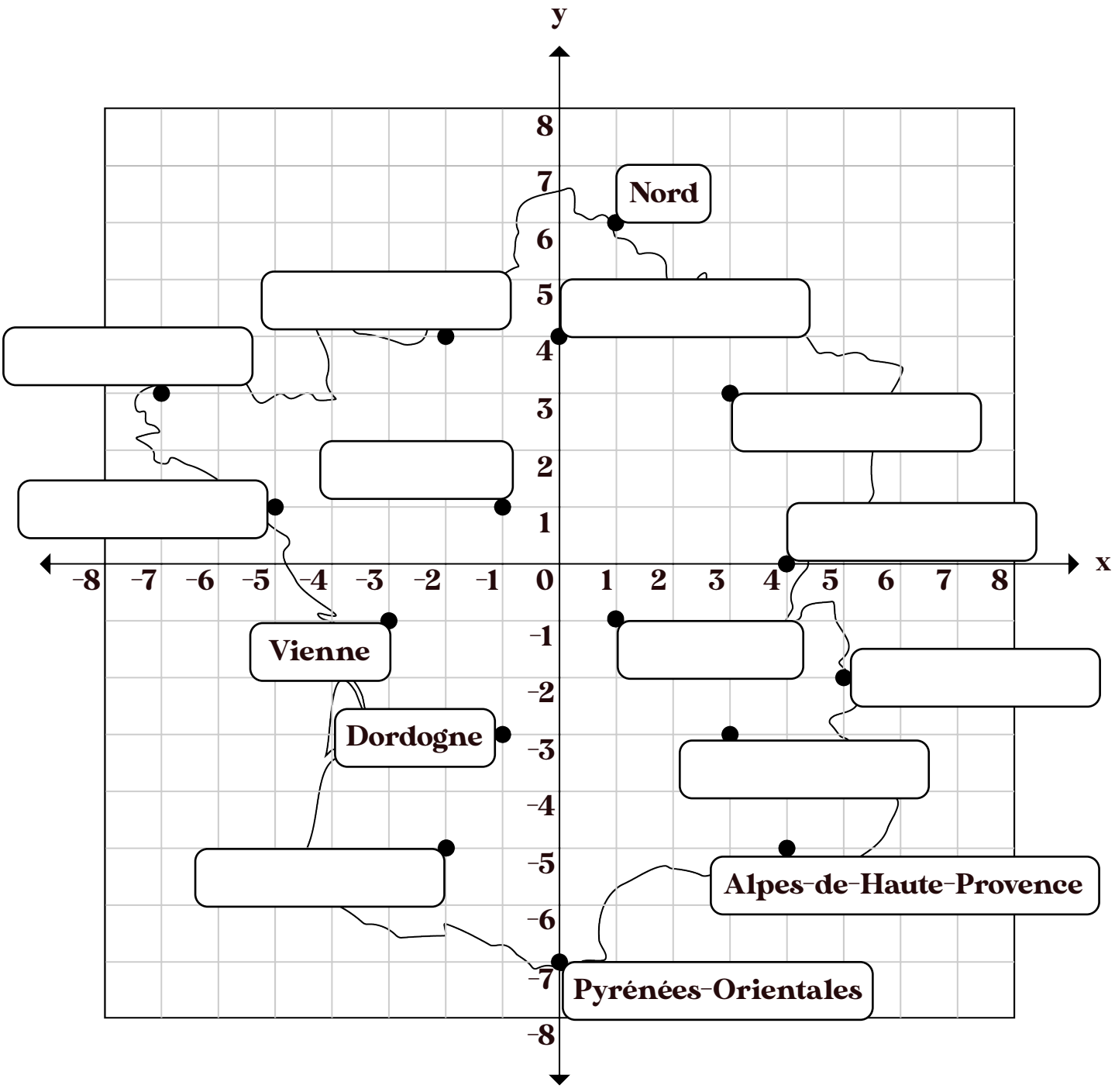
Questions:

Olympic Torch Relay



Blank names to fill:

Seine-Maritime	Morbihan	Oise
Vichy	Haute-Savioe	Indre
Gers	Haute Marne	Doubs
Finistère	Loire	

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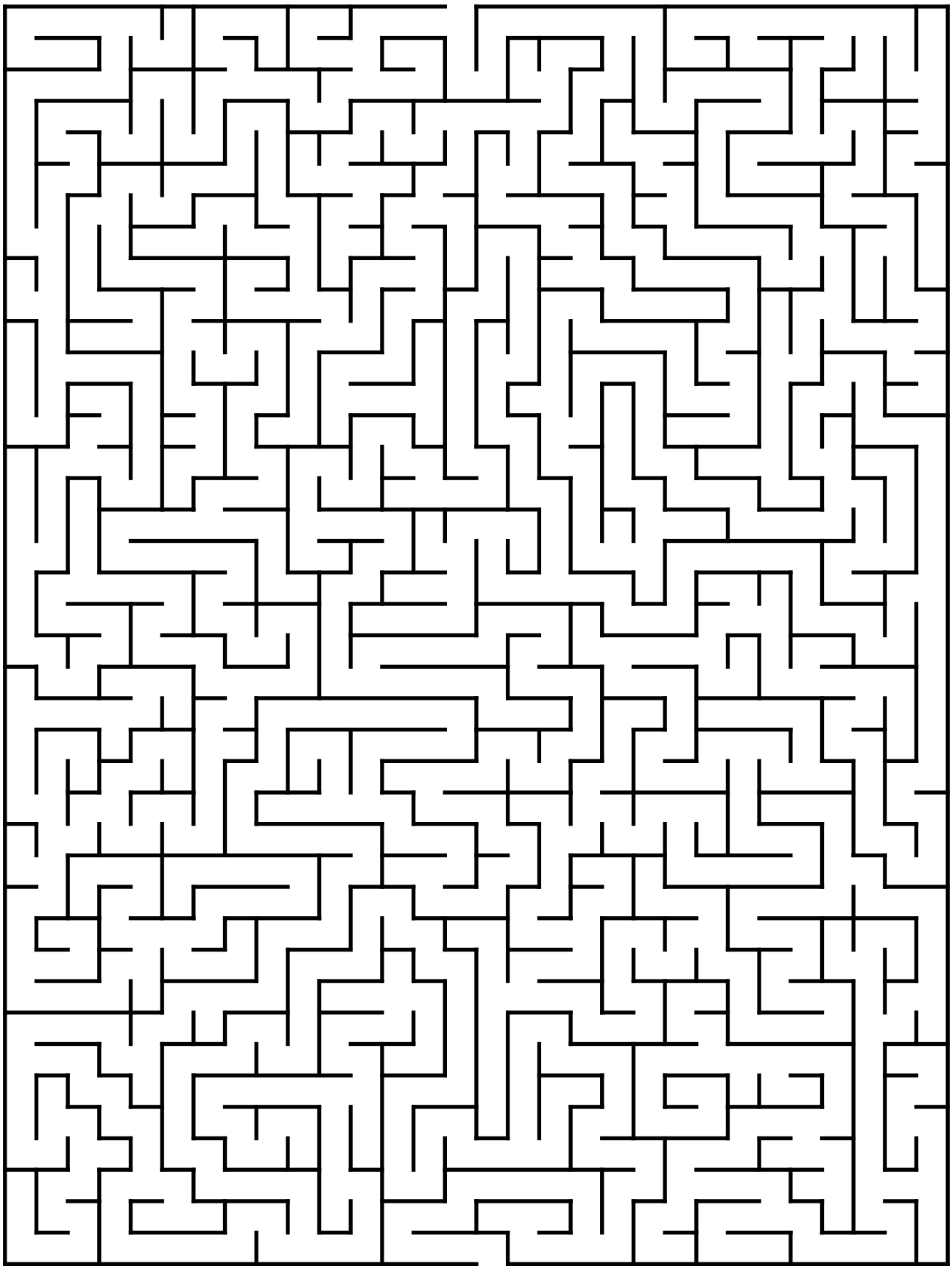
Student Activity:

Complete the maze



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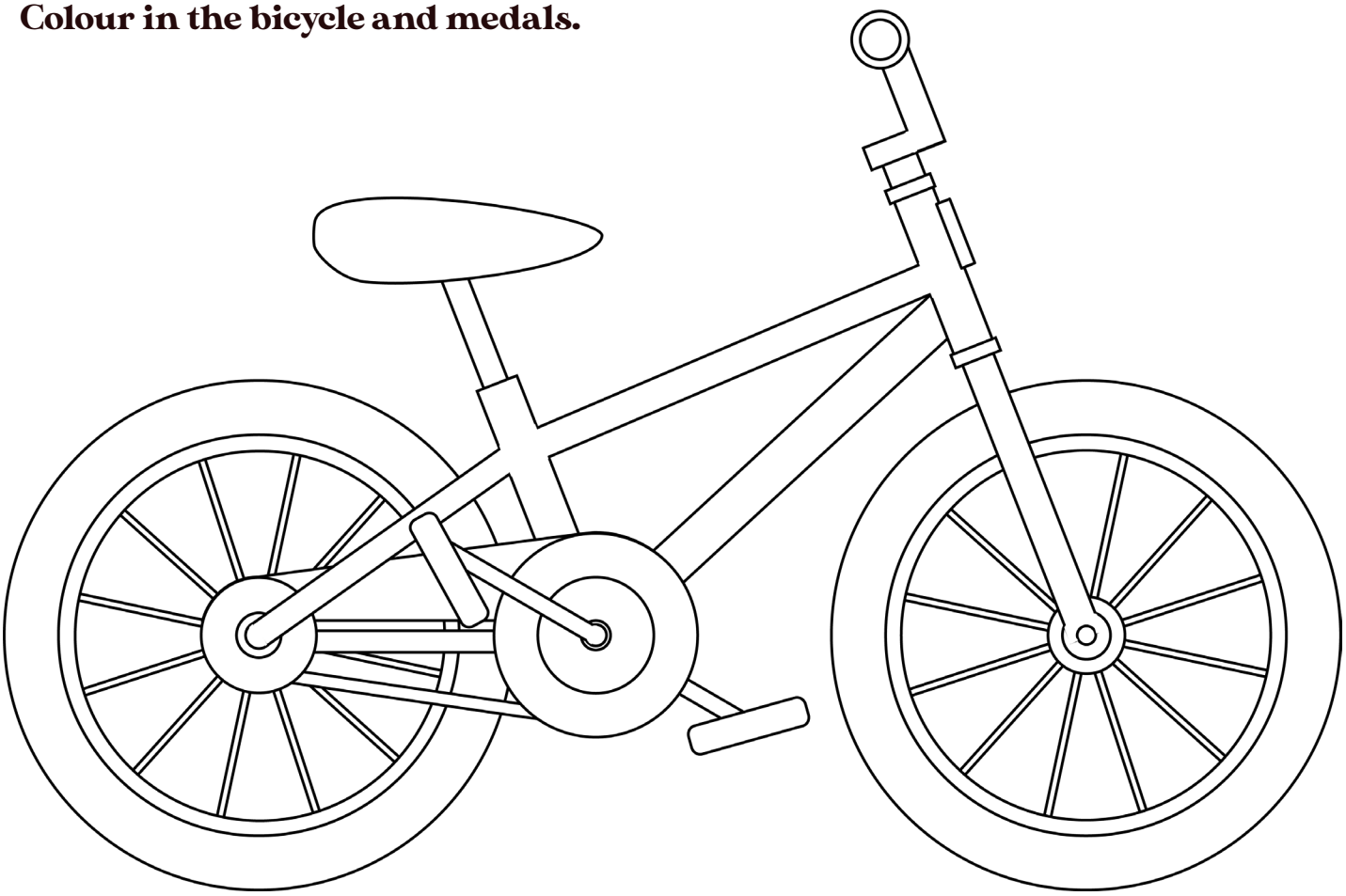
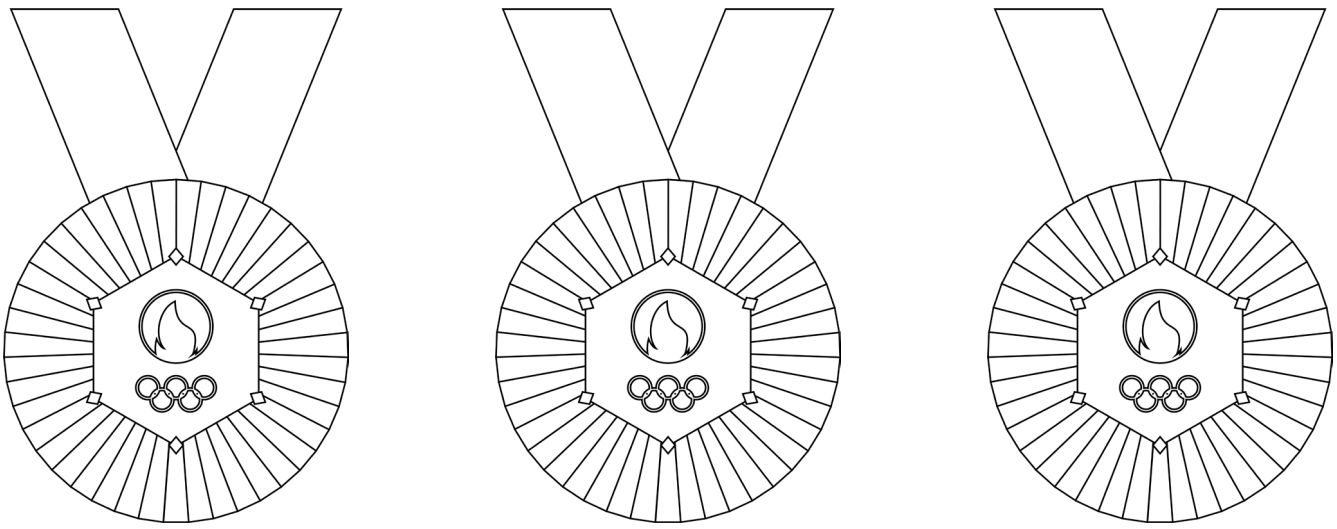
Olympic Games

Cycling

Student Activity:

Colour in the bicycle and medals.





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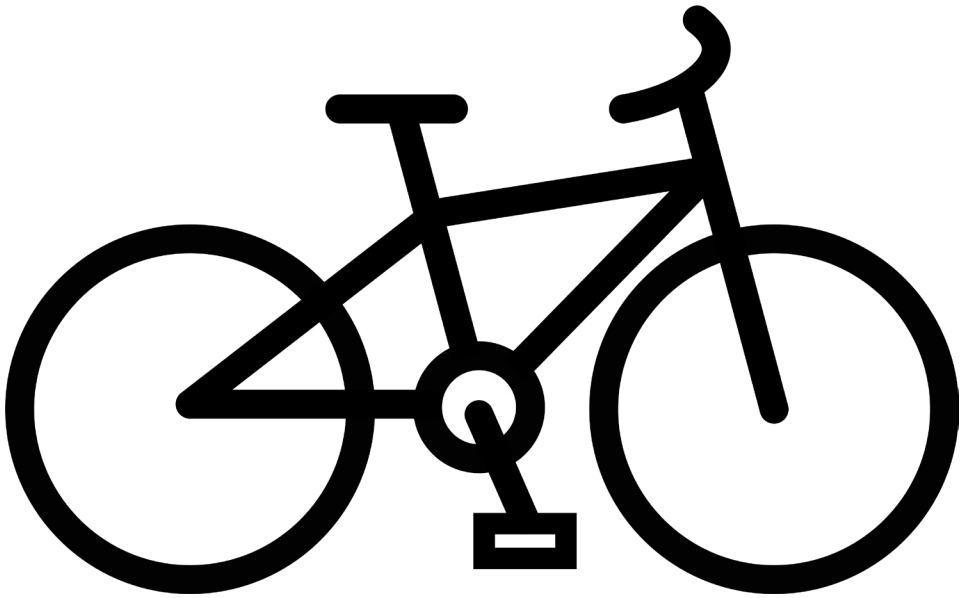
Questions:

Draw a line to match the shapes in the bicycle to their shape name.



Circle	Triangle	Rectangle

Questions:

Look at the bicycle race on the student sheet to answer the following questions.

1. Who is first?

2. Who is second?

3. Who is third?

4. Who is fourth?

5. How many bicycles can you see?

6. How many red helmets can you see?

7. How many wheels can you see?

8. How many stripes on the Tigers tail?

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Surfing

Questions:

Continue the sequence.

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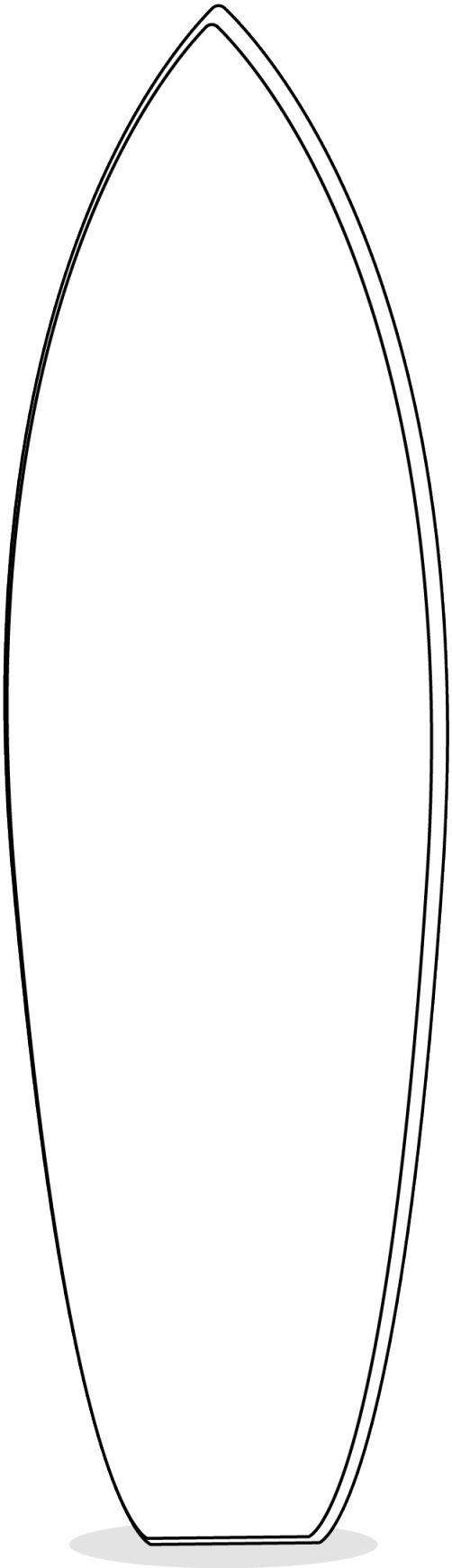
Student Activity:

Design your own surfboard.



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Equestrian (Ancient Olympics)

Questions:

1. How many chariots are there?

2. How many horses are there?

3. Each chariot has 2 wheels. How many wheels are there altogether?

4. Each horse has 4 hooves. How many hooves are there altogether?

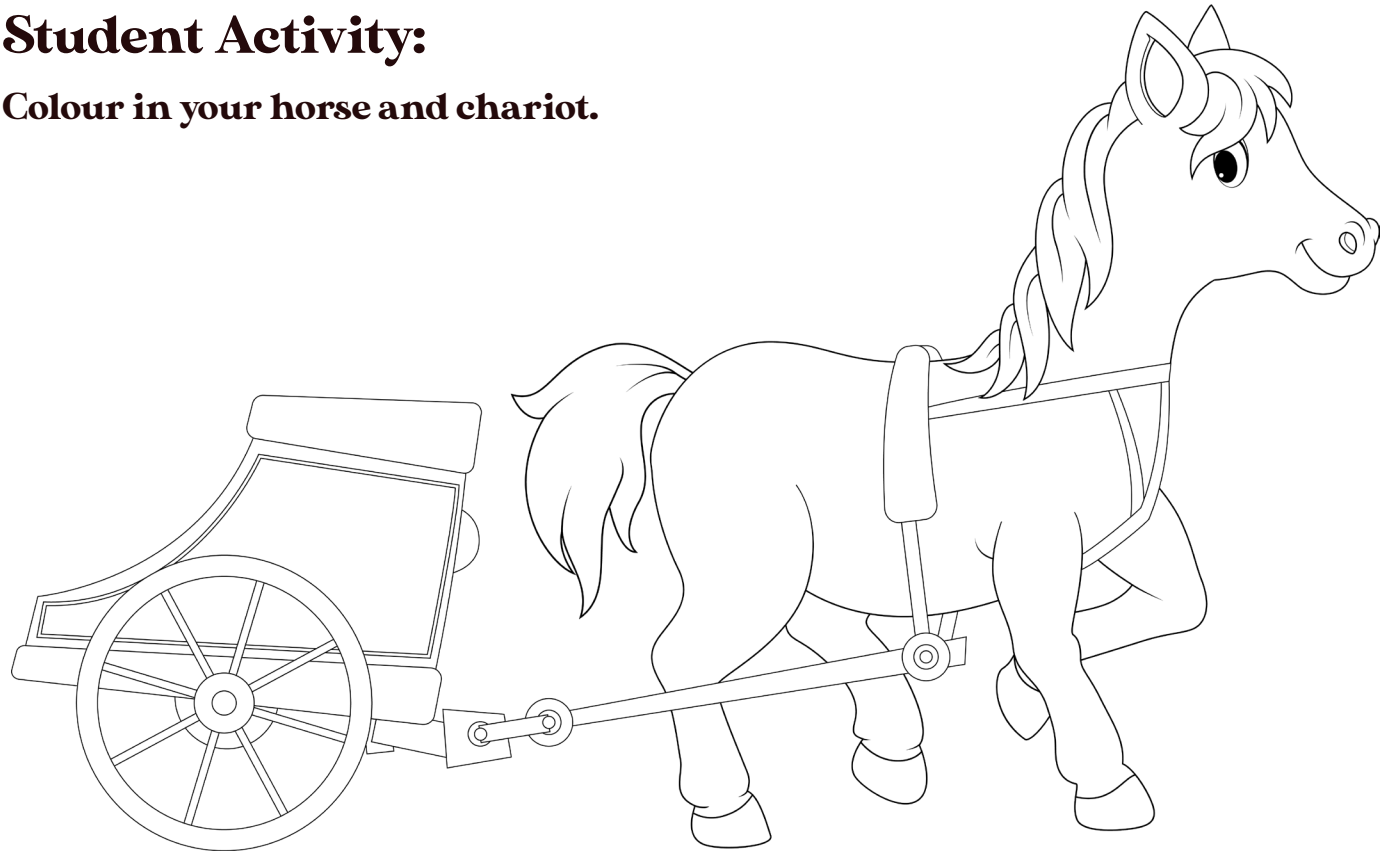
5. How many different colours of horse are there?

6. How many tunnels/entrances to the arena are there?

7. What shape are the wheels on the chariots?

Student Activity:

Colour in your horse and chariot.



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Olympic Games

Triathlon

Questions:

Swim Section: (Use the map of the Seine river on the student sheet)

The athletes jumped into the Seine river at point A, swam down to a marker at B, across to the marker at C, then back up the river to marker D before heading back to where they started.

1. **How long is the shortest section?**

2. **How long is the longest section?**

3. **Add all of the numbers together to see how far they swim.**

4. **If they swam the course twice, how far would they swim?**

Bike Section:

Tiger, Lion, Panda, and Beaver were training for their triathlon and went for 4 bike training rides.

Use the cycling trainings table on the next page to calculate the total distance each had ridden over the first 3 training sessions.

1. **After 3 rides, who had biked the longest distance?**

2. **After 3 rides, who had biked the shortest distance?**

After 4 training sessions, their coaches all want them to have ridden 200 km. Fill in the Training 4 column with the distance they have to travel to make up the 200km total.

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Cycling Trainings Table:

Animal	Training 1	Training 2	Training 3	Total	Training 4
Lion	57km	32km	43km		
Panda	46km	59km	53km		
Beaver	28km	52km	44km		
Tiger	49km	68km	37km		

Run Section:

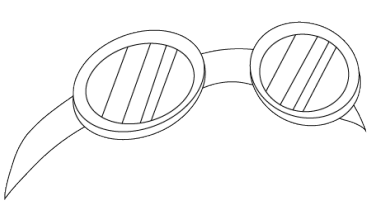
Kalani starts his run at 2:30 pm. He has to run 10 km.

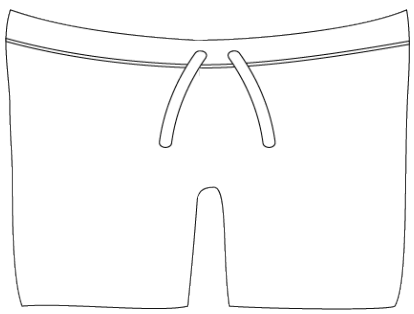
1. **After 2 km he had run for 7 min. Fill in the time after 2 km.**
2. **After 5 km the time was 2:53 pm. Fill in the time he had run since the start.**
3. **The whole run took him 43 min. What time did he finish the run?**

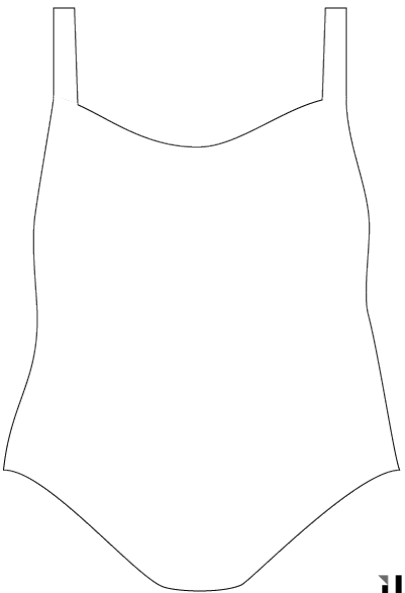
Distance	Time taken	Time of day
Start	0 min	2:30 pm
2km	7 min	
5km		2:53 pm
10km	43 min	

Student Activity:

Design your Olympic togs.







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Gymnastics

Questions:

Fill out the tally box with the information on the student sheet.

Country:	Tally
New Zealand	
Great Britain	
South Korea	
Philippines	
United States of America	
China	
France	
Total:	

Rowing

Questions: (use the information on the student sheet)

What fraction of the course has been covered after;

1. 1000m?
2. 250m?
3. 1500m?

How far has a boat travelled if it has covered;

1. $\frac{1}{4}$ of the course?
2. $\frac{3}{8}$ of the course?
3. $\frac{5}{8}$ of the course?

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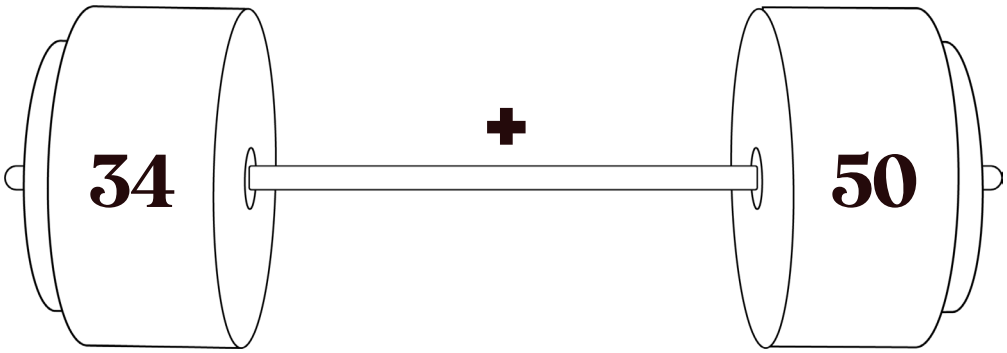
Weightlifting

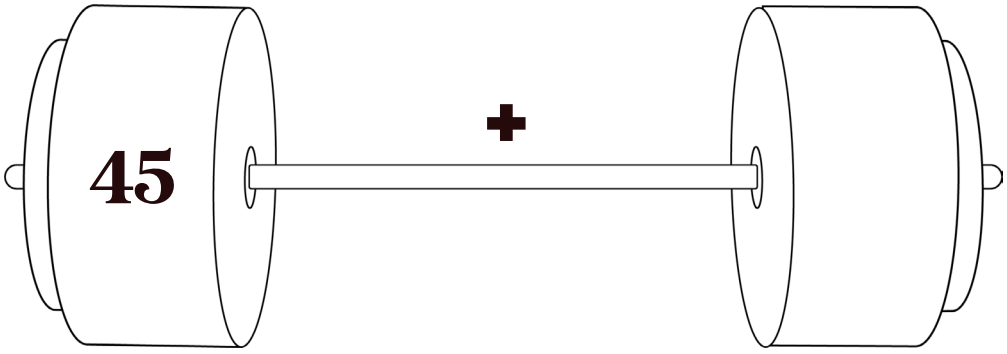
Questions:

Fill in the blank to calculate the correct weight.

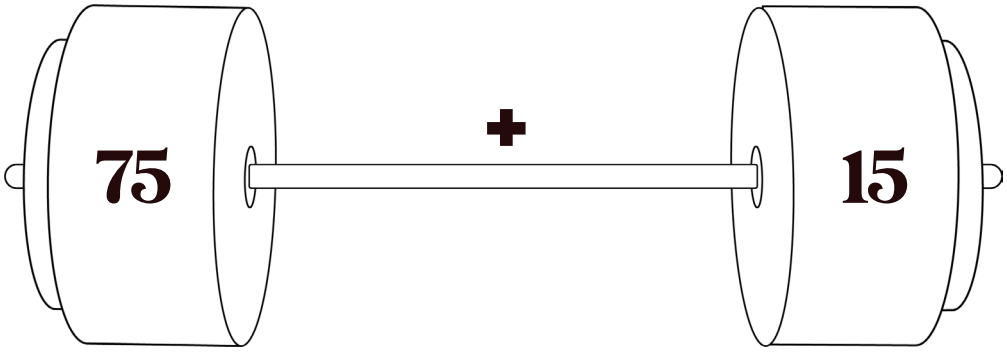
How much can the Snow Leopard lift?



How much can the Elephant lift?



How much can the Springbok lift?



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Olympic Games

Long Jump

Questions:

Use the bar graph on the student sheet to answer the questions below.

1. Which country won the Gold Medal?

2. How far did the Gold Medal winner Jump?

3. Which country won the Silver Medal?

4. Which country won the Bronze Medal?

5. How far did the Athlete from the Philippines Jump?

6. How much further did the athlete from Canada Jump compared to the athlete from South Africa?

7. Did the Gold Medal winner break the Olympic Record?

8. Which country now holds the Olympic Record?

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Tennis (Paralympics)

Questions:

Look at the tennis court on the student sheet and answer the questions below. (1 square = 1 metre)

1. How many squares wide is the court?

2. How many squares long is the court?

3. What is the total area (number of squares) of the section Gareth is standing in?

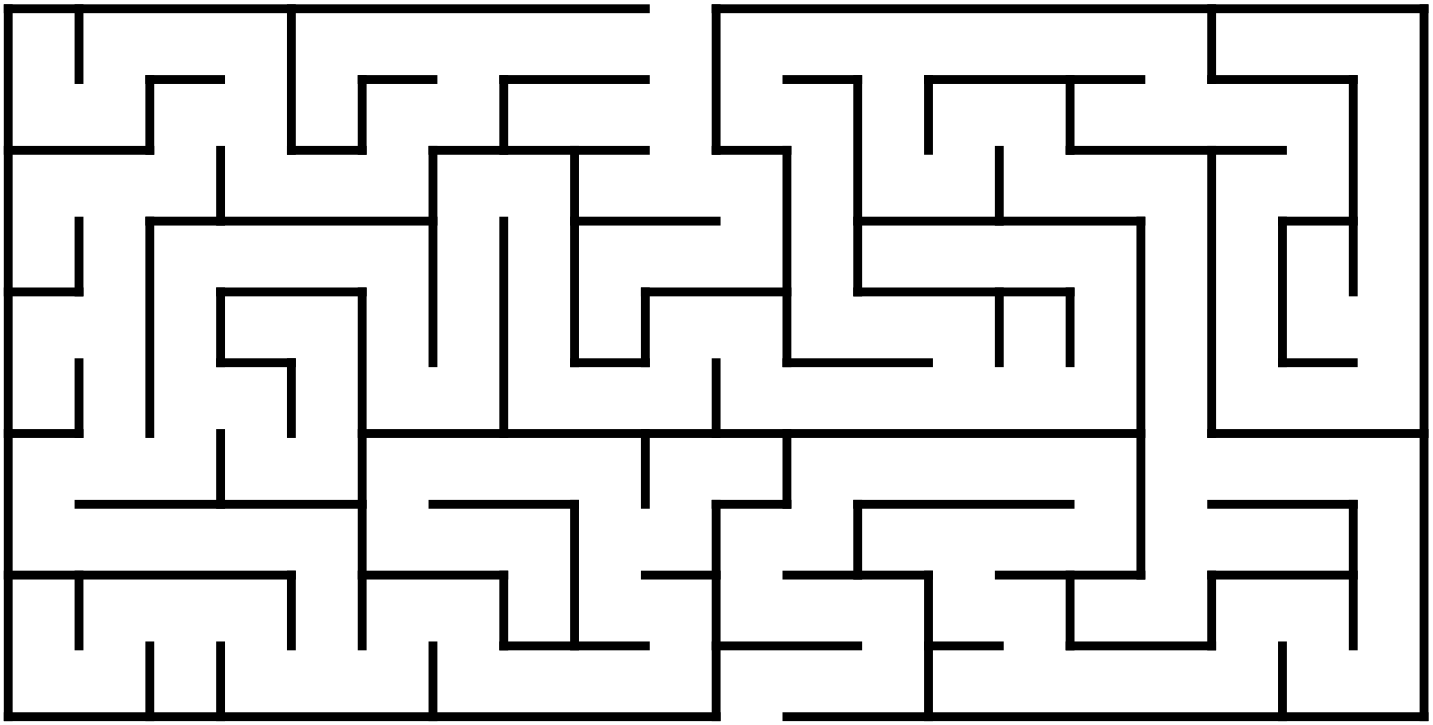
4. What is the total number of squares in the sections that Gareth and Bruno are standing in?

5. What is the total area (number of squares) on Spain's side of the court?

6. What is the total area (number of squares) of the whole tennis court?

Student Activity:

Make your way through the tennis court maze.



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Running

Questions:

Use the scatter graph on the student sheet to fill in the blanks.

1. How many times was the record broken between 1940 and 1950?

2. How many times was the record broken between 1950 and 1960?

3. How many times was the record broken between 1960 and 1970?

4. How many times was the record broken between 1910 and 2000?

5. How many times was the record broken in under 4 minutes?

6. What year was the record last broken?

Student Activity:

Complete the Sudoku.

1				9				3
2	8	9		1		5	7	4
7		6		4		1		2
		7	9	8	3	4		
5	2		1		4		8	9
	4	8	2	5	7	6	3	
4			6		1			8
8		5		2		3		7
				7				

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Olympic Games

Rugby Sevens

Questions:

Use the points system on the student sheet to complete the tables below.

Pool A

Team	Win	Loss	Draw	Total Points
NZ	3	0	0	
Fiji	2	0	1	
Great Britain	1	1	1	
China	0	0	0	

Pool B

Team	Win	Loss	Draw	Total Points
Canada	3	0	0	
France	2	1	0	
Ireland	1	1	1	
South Africa	0	2	1	

Pool C

Team	Win	Loss	Draw	Total Points
USA	2	0	1	
Japan	1	2	0	
Australia	2	0	1	
Brazil	1	2	0	

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Questions:

Who are the top 8 teams? Place them in order from 1 to 8, based on the following;

- **If two teams are tied on points, then the team who scored the most tries (during the games) gets the higher ranking.**
  - **The top team in Pool A scored more tries than the top team in Pool B**
  - **USA scored more tries overall than the second team in Pool A, and all other teams in Pool C**
  - **The second team in Pool C scored more tries than the second team in Pool A**
  - **The team that qualified in 8th place was in Pool B**

1st	2nd	3rd	4th
5th	6th	7th	8th

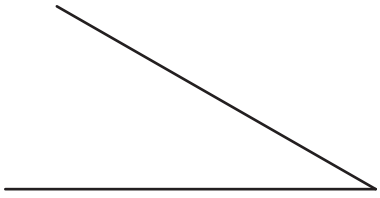
Who plays who in the quarter finals?

1st vs 8th	2nd vs 7th	3rd vs 6th	4th vs 5th

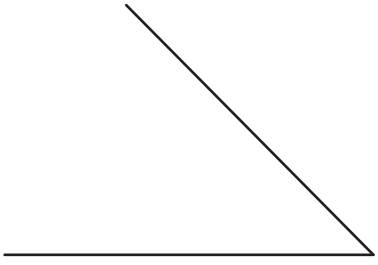
Javelin

Questions:

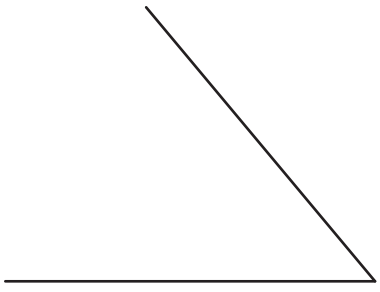
Use a protractor to measure the angles of each athletes throw. Fill out the table and answer the questions.



India - Peacock



Thailand - Elephant



Tanzania - Giraffe

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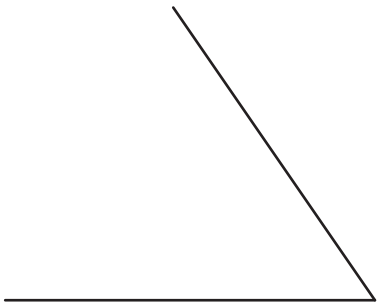
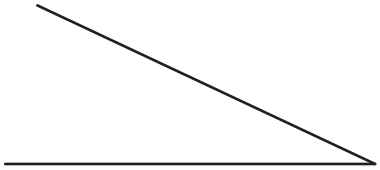


NZ - Kiwi



Chile - Deer

Athlete	Angle	Distance (m)
India - Peacock		75
Thailand - Elephant		90
Tanzania - Giraffe		88
Chile - Deer		70
NZ - Kiwi		80

Questions:

1. Which animal threw the javelin at the steepest (greatest) angle?

2. Which animal threw the javelin at the smallest angle?

3. From the results, what is the best angle to throw the javelin at?

4. What is the difference between the longest throw and the shortest throw?

5. How many degrees between the largest angle and the smallest angle?

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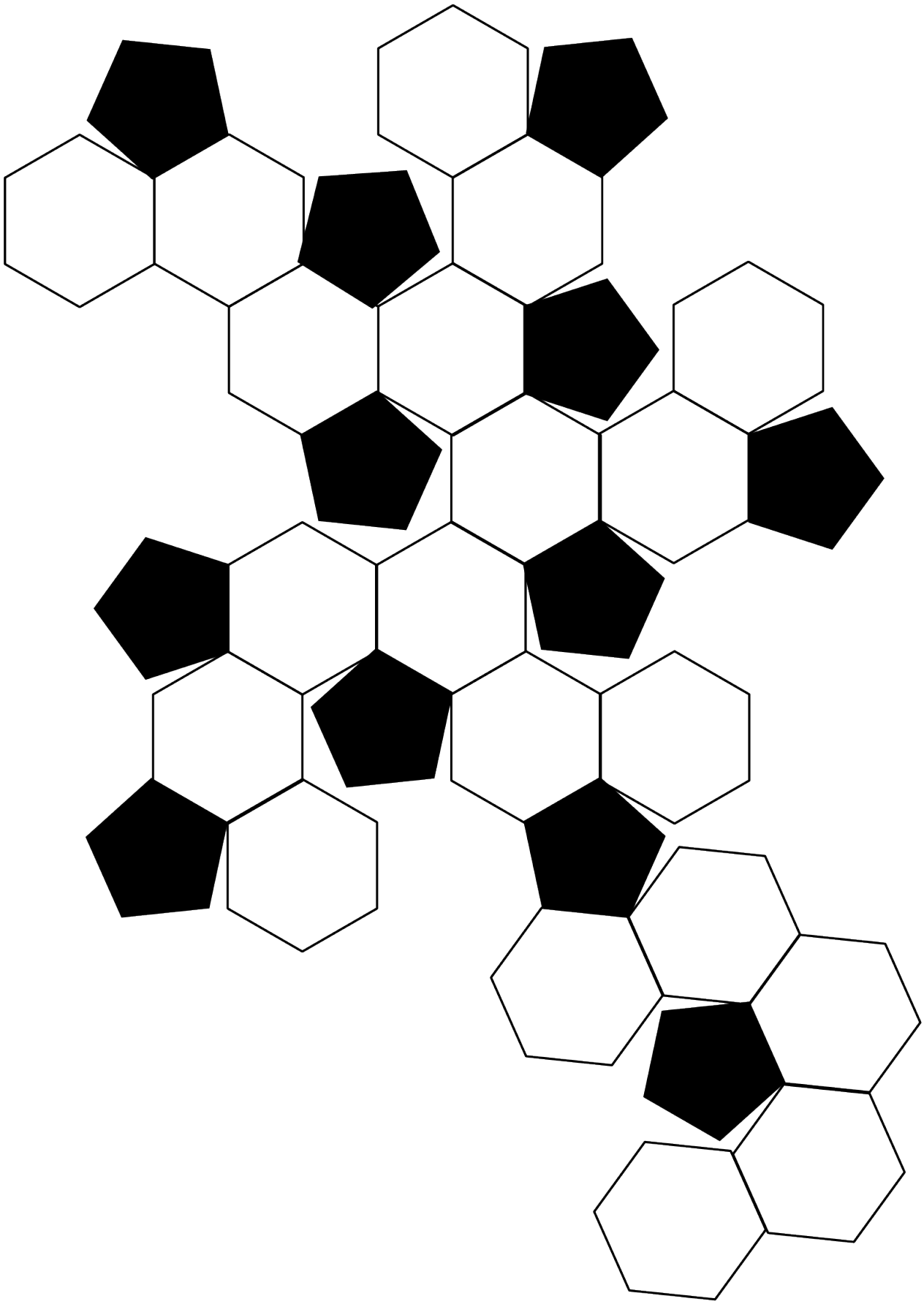
Football

Student Activity:

Cut out precisely. Tape together hexagons then tape down pentagons.



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Olympic Games

Basketball

Questions:

Use the images on the student sheet to answer the following questions:

The diameter of an Olympic Basketball is approximately 24cm in diameter;

1. **Calculate the surface area of an Olympic Basketball ($SA = 4\pi r^2$)**

2. **Calculate the volume of an Olympic Basketball ($V = \frac{4}{3}\pi r^3$)**

Questions:

1. **Regge from France shot 50 shots, and he missed 5, what percentage did he miss?**

2. **Dianna from Chile shot 60 shots and she made 25% of them, how many shots did she make?**

Muggsy Bogues, is the shortest NBA player ever, and was only 160cm tall.

1. **How much higher than Muggsy is the basketball hoop?**

2. **If he was to Slam Dunk the ball, (assume the top of his head is at rim height), what percentage of his total height has he had to jump?**

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At the end of the Olympics an 'All Star' team was selected from the best players in the tournament. These are their average points scored in all their games.

Athlete	2-point shots	3-point shots	Total points
Rooster (France)	7	5	
Deer (Deer)	6	8	
Dodo Bird (Mauritius)	3	7	
Bald Eagle (USA)	10	5	
Kangaroo (Australia)	8	8	

1. Who scored the most points on average in a game?

2. If these players played together, and these were their points scored for the 'All Star' team, how many points did the team score?

3. What percentage of the 'All Star' total, did the top points scorer contribute.

4. The NBA scoring average per game is currently around 113 points. If there are 13 players on an 'active' roster (i.e. they all get game time), what is the average points scored per player?

5. Dorota from Mauritius made 23 shots in a game (combination of 2 and 3 point shots). In total she scored 54 points.

a. How many 2 point shots did she make?

b. How many 3 point shots did she make?

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Swimming

Questions:

An Olympic swimming pool is 50m in length. How many lengths would the athletes have to swim if they were competing in the;

1. 100m? **2. 400m?** **3. 1500m?**

If there are 10 lanes, and each lane is 2.5m wide;

4. How wide is an Olympic pool?

5. What is the total surface area of an Olympic swimming pool?

Olympic pools have a recommended depth of 3m.

6. What is the volume of water in an olympic swimming pool that is 3m deep?

These athletes competed in the 200m medley race, which involves 4 different strokes, backstroke, breaststroke, butterfly and freestyle.

Complete the table below:

Athlete	Backstroke	Breaststroke	Butterfly	Freestyle	Total (seconds)	Total (min/sec)
Dolphin	26.00 secs	28.00 secs	23.00 secs	21.00 secs		
Bear	27.00 secs	24.00 secs	29.00 secs	23.00 secs		
Panda	26.00 secs	28.00 secs	28.00 secs	26.00 secs		
Beaver	23.00 secs	31.00 secs	25.00 secs	25.00 secs		
Leopard	30.00 secs	30.00 secs	29.00 secs	22.00 secs		
Iguana	24.00 secs	28.00 secs	24.00 secs	22.00 secs		

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Based on the Medley results table answer the following questions:

1. Who won the Gold medal?

2. Who won the Silver medal?

3. Who won the Bronze medal?

4. Who was in the lead after:

a. 1 length?

b. 2 lengths?

c. 3 lengths?

Skateboarding

Questions:

Zheng Haohao is the youngest athlete at Paris, and competed in skateboarding. She was born on the 11th of August, 2012.

1. How old was she at the start of the Olympics (Opening Ceremony - 26th July 2024)

2. Survey your class and record their birthdates in a table.

a. On the closing day of the Olympics (11August, 2024), who will be the closest in age to Zheng Haohao?

b. How many days apart are their birthdays?

c. How many days apart are they in actual age?

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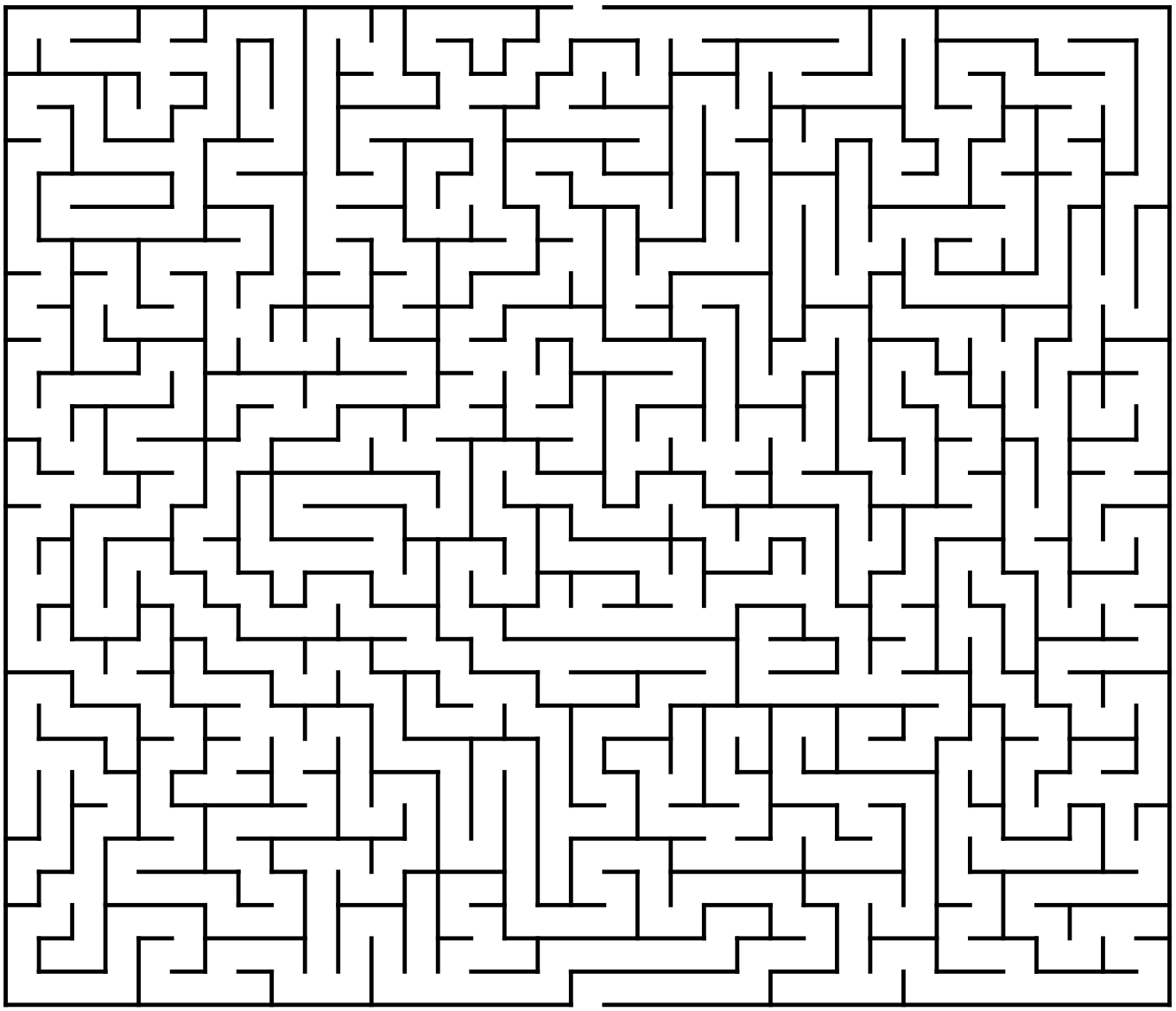
Class birthdays table:

Name	Birthday	Days different to Zheng Haohao
Zheng Haohao	11/08/2012	0

Complete the maze to reach the end of the Olympic events!