

# SKYDECK 88 EDUCATION BUILDINGS & STRUCTURES

NAME: .....

1. Be sure to catch the short video that is playing just near the Serendipity Touch and Discover Table, which shows interesting facts about Eureka Tower.

How far does Eureka Tower sway in the wind? .....

How is the Eureka Tower stabilised in high winds? .....

How many lifts are at the Eureka Tower? .....

At what speed do they travel? .....

2. What other interesting facts did you note from the video?

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3. As you enter the foyer of the Eureka Tower you will experience the amazing interactive table called the Serendipity Touch and Discover Table. This cutting edge technology contains a wealth of information about the city of Melbourne & Victoria - from Art and Leisure to the People of Melbourne and much more.

The Serendipity Touch and Discover Table contains coloured cubes, with each colour representing a theme. In a group, choose one colour each to explore, write down one fact for your chosen colour. Share your information with the other people in your group and you will have 5 interesting facts about Melbourne (next page).

***ser-en-dip-i-ty***

*serendipity is the act of finding something valuable or delightful when you are not looking for it*

# SKYDECK 88 EDUCATION

## BUILDINGS & STRUCTURES

Colour of cube on Serendipity	Person to explore this colour	Your interesting fact

4. Name 5 other tall buildings in the world. Complete the table below.

Name of Building	Location	Height in meters

*You will now be heading up to the Eureka Tower Skydeck. A non-stop journey takes just 38 seconds (or you could take the 1,840 stairs!)*

# SKYDECK 88 EDUCATION BUILDINGS & STRUCTURES

5. When you arrive at Level 88 you will be astounded by the views that greet you. Write down the first five words that come into your mind as you experience the breath-taking views for the first time:

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*There are many wonderful things for you to experience at the Skydeck so be sure to wander around and enjoy the adventure. See if you can find out the following things as you explore. The red writing on the floor and the viewfinders near the windows may help you with some of your answers.*

6. Find three venues where sporting events are held in Melbourne. List the venue and the sporting event/s.

Venue	Sporting Event

7. You will observe many forms of transport from your viewpoint. Use the BAR technique (what would you make bigger, what would you add, what would you replace) on one of these forms of transport to change it. Identify your reason for the change e.g. *to improve efficiency or comfort, increase capacity or speed etc*

Transport: .....

Reason: .....

Bigger: .....

Add: .....

Replace: .....



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8. What factors would have had to be considered when constructing the Eureka Tower?

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9. Consider the development that has occurred over the last 100 years. What impact has this development had on the environment?

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10. What do you think you would see if you were looking out over Melbourne in 100 years time?

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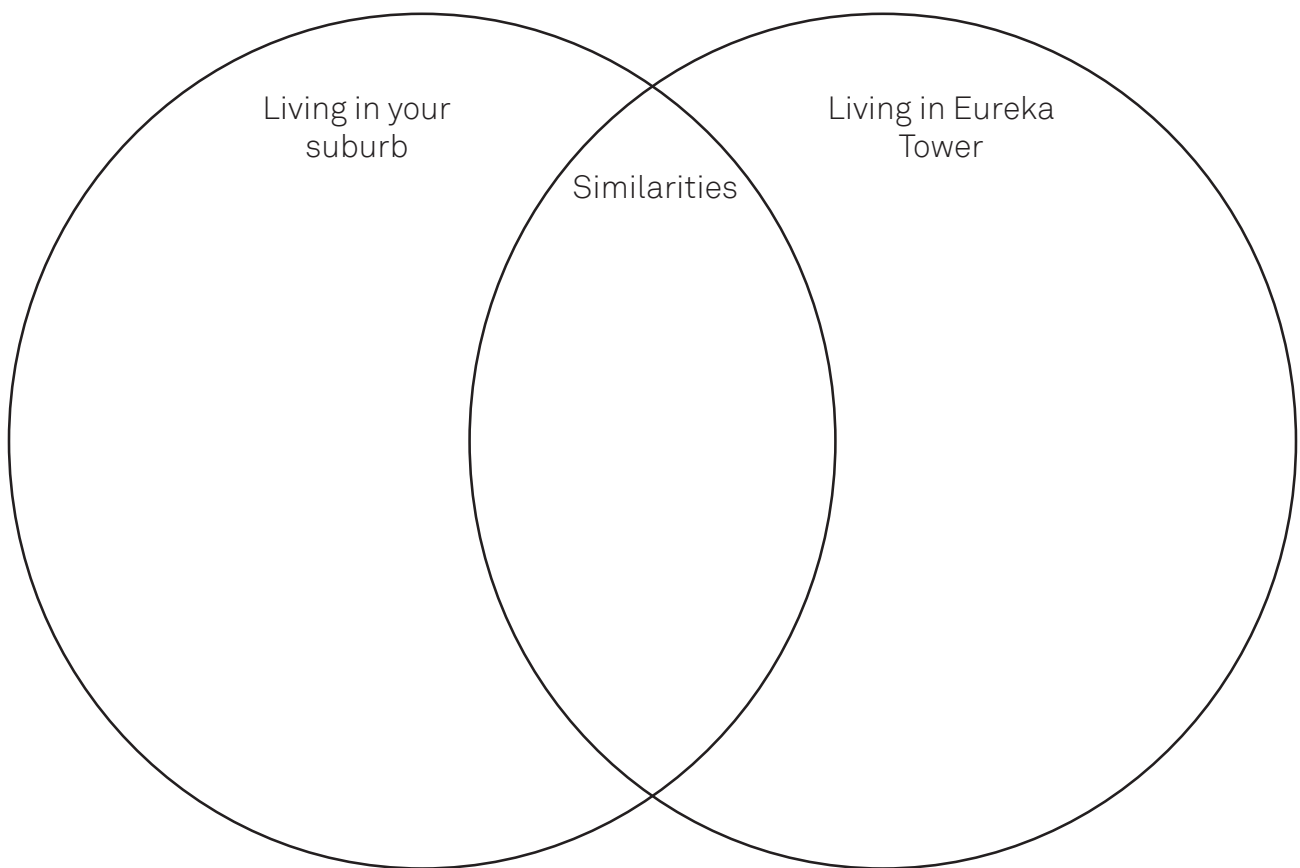
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11. Complete the Venn diagram identifying the similarities and differences of living in your suburb and living in an apartment at the Eureka Tower.



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## BUILDINGS & STRUCTURES

12. Refer to the LED's on the floor and the viewfinders to answer the following:

The first ..... Cup was held in 1861 at ..... Racecourse.

The ..... is known as the The Big Cheese Stick and Zipper.

Approximately ..... commuters and ..... trains pass through Flinders Street Station each day.

Federation Square buildings are rendered in .....

The Art Centre Spire reaches ..... metres above St Kilda Road.

Mount Dandenong is ..... metres above sea level.

The MCG was the main stadium for the ..... Olympic Games and the ..... Commonwealth Games, and can seat ..... people ( ..... undercover).

The Royal Botanic Gardens were established in ..... and cover hectares in South Yarra.

Albert Park Lake and Reserve was originally a shallow ..... and a good hunting ground for ..... and early ..... An ornamental lake was created in the late ..... along with

Australia's worst work place accident occurred on the 15th ..... 1970, killing ..... workmen and injuring ..... others.

Thank you for visiting the Eureka Skydeck! We hope you enjoyed looking at Melbourne from the highest vantage point in the southern hemisphere. We look forward to seeing you again soon!