

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. The video contains information about the building design and construction of Eureka Tower. List some facts that you find interesting.

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2. 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 - from Art and Leisure to the People of Melbourne and much more.

As you explore Serendipity, record 3 interesting facts. Devise a question for each fact that you would like to find out more about.

For example:

Fact: The Skydeck Elevator travels 9 metres per second.

Question: How do elevators work?

Fact 1:

Question:

Fact 2:

Question:

Fact 3:

Question:

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3. Eureka Tower is 297 metres tall.

Name 5 buildings in the world that are taller. Identify their location and height.

Name of Building	Location	Height (m)

4. The 78-storey Q1 apartment tower on the Gold Coast, Queensland has also been described as the tallest residential building in Australia due to its spire, which reaches a height of 322.5m. According to the ranking system developed by the US-based Council on Tall Buildings and Urban Habitat, Q1 qualifies as the taller building in two of the four categories in which heights are ranked, namely Pinnacle Height and Architectural Top, while the Eureka Tower is taller in the other two categories, Roof Height and Highest Occupied Floor. (For comparison, the Q1 building has its top floor at a height of 235m, some 62 metres lower than Eureka's roof.)

Which building do you think deserves the title of Tallest Residential Building in Australia? Give your reasons.

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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!)

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5. Use the LEDs (light-emitting diodes) on the floor and location viewfinders to complete the following:

Fact	Landmark	Direction
Opened 15th November 1978 at a cost of \$200 million. Tragic collapse killed 35 workmen.		
Victoria's premier sea passenger terminal.		
Originally a shallow lagoon that was rich in waterfowl, providing a good hunting ground for Aboriginal people and early European settlers.		
Design was inspired by the Mausoleum at Halicarnassus (one of the Seven Wonders of the ancient world).		
Built on the site of Melbourne's first Christian services.		
A grand Edwardian baroque building, featuring a domed clock tower and lavish ballroom.		
Built to commemorate the 2001 centenary of Federation on the old Gas and Fuel Building site.		
Site of the first bridge over the Yarra in 1845.		

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The City

6. Look out at the city skyline. Describe what you see in terms of construction. Be sure to include shapes, surfaces and materials you can see.

7. How do you predict the city skyline may appear in 50 years time?

8. What public facilities do you see that are within close proximity to the CBD?

9. What public facilities do not appear within close proximity to the CBD (either ones you can see or ones that you can think of)?

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10. Identify some advantages and disadvantages of living in the city.

Advantages	Disadvantages

11. Where would you choose to live? Give your reasons for this.

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12. Melbourne's population has grown from 1.3 million in 1950 to 3.4 million in 2006. List possible reasons for this population change.

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13. What do you predict Melbourne's population to be in 2050?
Give reasons for this.

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14. The LED's around the walls of Eureka Skydeck provide an abundance of interesting and humorous information. Record 10 facts and devise a question that could be asked and matched to your fact.

Fact 1:

Question:

Fact 2:

Question:

Fact 3:

Question:

Fact 4:

Question:

Fact 5:

Question:

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!