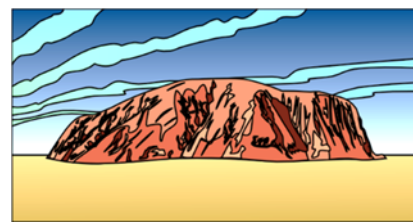
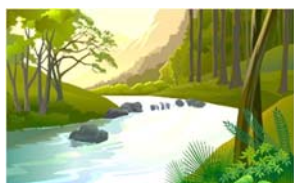


Student Name: _____

Grade: _____ Date: _____



1. The very top of Uluru, in central Australia, is 863 metres above sea level. For comparison, the top of the Eiffel Tower in Paris is 480 metres above sea level. Can you work out which of these two tourist attractions is the tallest from ground level? Explain your answer.



2. The longest 5 rivers in Australia are the River Murray (2,508 km), The Murrumbidgee River (1,485 km), The Darling River (1,545 km), The Lachlan River (1,339 km) and Cooper Creek (1,113 km). Draw a graph that clearly compares these river lengths.

3. For the rivers in the question above, what is the **AVERAGE** length of these 5 rivers? Does this figure actually mean anything interesting, or not? Write your answer, and reasons for it, in one or two sentences.
4. The date last Friday was 13th May. Friday 13th is called "Jinx Day" by some people, who think it's a day that brings bad luck. There is only one Friday 13th in the whole of 2016. What fraction of the entire year is that day? (Remember, 2016 is a Leap Year!)
5. The weight of a Snickers Bar was reduced by 20% a while ago from 60 grams, but the price was not changed. If the original price was \$1.20, what **SHOULD** the new price have been if it was reduced in the same way?



6. The odd side of an isosceles triangle measures 17 centimetres. If the perimeter of that triangle is 64 centimetres, what are the lengths of the other two sides?
7. Researchers believe they **MAY** have found the remains of HMS Endeavour, the ship of Captain James Cook, who first charted the eastern coastline of Australia. It was last seen in 1778. Was that in the 17th century or the 18th century? And, what century are we in at the moment?
8. **Open-Ended Question:** Belinda bought some jogging shoes on special. They came in a shoe box that had a volume of $4,200 \text{ cm}^3$. The height of the box was 12 cm. Find 3 possible lengths and widths of the box, remembering the shape of the box must allow the jogging shoes to fit inside.



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1. No, because the level of ground upon which each of them sits may be a different level above sea level.
2. Various answers
3. 1,598 km
4. $\frac{1}{366}$
5. 96 cents
6. 23.5 cm each equal side
7. 18th Century. And we are currently in the 21st Century
8. Various answers

Z