**Fiji Mathematics Team Competition – National Final**

**Class 5 – 2013**

C5/1 Three buildings heights are 1,630 cm; 1,750 cm and 1,820 cm. How much is the tallest building taller than the shortest building (in m)?

C5/2 Children are making cars from wire in the technology class. A car needs 3½ metres of wire to be made and they have 21 metres of wire. How many cars can they make?

C5/3 There are 25 boys and 19 girls in the singing group. Every week 2 more boys and 3 more girls join the singing group. After how many weeks there will be the same number of boys and girls in the singing group?

C5/4 A movie is 90 minutes long. It started at 5.10 pm. In the middle there were two commercial breaks, one lasting eight minutes and one lasting five minutes. At what time did the movie finish?

C5/5 The sum of the numbers in each ring should be 55. What is the value of  *A?*



C5/6 Every week Robert saves $1.50 of his pocket money, while Simon is able to save 1½ times that amount. How much more would Simon have saved than Robert after 12 weeks?

C5/7 On which number is the mouse sitting on?

17 31  59 73 87

C5/8 The object shown below is made by gluing six wooden cubes. If Rena has to paint the object, how many faces must Rena paint?



C5/9 At a party each child gets of a pizza. There were 12 pizzas altogether. How many children were at the party?

C5/10 Five children play tennis. Each child plays each of the others once. How many matches

are played?

C5/11 Florence likes calculating the sum of the digits that she sees on her digital clock (for instance, if the clock shows 21:17, then Florence gets 11). What is the biggest sum she can get if the clock is a 24-hour clock?

C5/12 A boxing match has twelve rounds of 3 minutes each and there is a minute break between each round. How long does the match last if it lasts the full 12 rounds?

C5/13 What is the only whole number between one and ten which does not divide exactly into 360?

C5/14 When Lucy’s mother was 40, Lucy was 16. Now her mother is twice as old as Lucy.

How old is Lucy now?

C5/15 28 children took part in a Maths Quiz Battle. The number of children who

finished behind Rex was twice as large as the number of children who were more

successful than him. In which place did Rex finish?

C5/16 The desks in a classroom are arranged in straight rows with the same number of desks in each row. Unless someone is absent, each desk is filled. Mereani is in the second row from the front and the fourth row from the back. She is also the third student from the left end of the row and the fifth student from the right. How many students are in the class?

C5/17 Robert is reading a book. Chapter 7 begins on page 246 and ends on page 274. How many pages are there in chapter 7?

C5/18 Kelera has 3 horses and each of them drink 9 gallons of water a day. When the tap froze in their field, she had to drive to them, taking their water in 4-gallon containers. She only had 3 of these. How many trips in her car did she have to make each day?

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C5/19 Sophia bought 8 bunches of lilies and her friend Stephanie bought 9 bunches of daffodils. Each bunch of lilies has 12 lilies and each bunch of daffodils has 16 daffodils. What is the total number of lilies and daffodils they bought together?

C5/20 Mother baked some cookies for a children's party. She gave each child 6 cookies and she had 7 cookies left. So she gave one more cookie to each child, but was one cookie short. How many cookies did she bake?

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Tie Breaker

C5/21 David bought 7 potatoes each for $0.40. How much change would he get if he gives $10.00 to the sales person?

C5/22 John wants to estimate the sum of 119, 382 and 225 to the nearest 100’s. What is his

estimated sum?