**Fiji Mathematics Team Competition - Zone**

**CLASS 5 - 2013**

C5/1 0 + 37 + 37 + . . . + 37 = 629

How many 37’s must be added to 0 to get 629?

C5/2 There are 5 lampposts on one side of the path in the park. The distance between each pair of neighboring lampposts is 3 meters. A goat was jumping all the way from the first lamppost to the last one. How many meters has he jumped?

C5/3 You and 10 other people get into a lift on the ground floor. On the first floor 3 people get off and 1 gets in. On the second floor 5 people get off and 3 get in. On the third floor 6 people get off. How many people are in the lift now?

C5/4 Shamal and Peter buy a case of cool drinks containing 12 bottles and pay $30 for it. Shamal takes 4 bottles and Peter takes the other 8. How much must Shamal pay for his share?

C5/5 Numbers in the picture are bus fares between 4 neighboring towns. Suliasi wants to go from A to B as cheaply as possible. What is the lowest price, in dollars, he has to pay?



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| C5/6 A movie on television is 2 hours 55 minutes long and ends at 4:45pm. At what time did it  start? |
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C5/7 In the teachers' room there are 6 tables with 4 chairs each, 4 tables with 2 chairs each,

and 3 tables with 6 chairs each. How many chairs are there altogether?

C5/8 Shahid is building houses of cards. On the picture there are houses of one and two layers that Shahid built. How many cards does he need to build a 3-layer house?



C5/9 A farmer makes a fence around his square garden. When it is completed there are 10 poles on each side. How many poles did he use altogether?

C5/10 At a school A, a bell rings every half hour and at school B a bell rings every 35 minutes. If the two bells ring together at 08:00a.m, when will they ring together again?

C5/11 There are 5 marbles in a box. One is black, one is yellow, one is red, one is purple and one is orange. How many ways can you pick 2 marbles (order is not important which means picking black and yellow is same as picking yellow and black)

C5/12 Pita and Tomasi took guavas from a basket. Pita took of the guavas and Tomasi took . What fraction of the guavas remains in the basket? Give the answer to the smallest fraction.

C5/13 On Monday last week Ela started to learn the I-Taukei language. Every day she learnt five new words, but when she woke every morning she had forgotten two of the words learnt the day before. When did Ela first achieve her target of learning fourteen words?

C5/14 If Raju is three years younger than Jae, Jae is 5 years older than Jack, and Jack is 13, how old is Raju?

C5/15 Roopa fell asleep at 9:30 pm and woke up at 6:45 am the next morning. Her brother

Sohil had been sleeping 1 hour 50 min longer. How many hours and minutes had Sohil been sleeping?

C5/16 Asena and Christine are playing a game. Asena asks Christine to pick a number. She

Then asks her to add 12 to that number, multiply her answer by 3, subtract 36 from her new answer, divide that answer by 6, and multiply this answer by 2. If Christine picks the number 10 in the beginning, what number does she have at the end?

C5/17 A member of a track team can run a mile in five minutes. If she can maintain this speed for as long as she wants, how many hours would it take her to run 36 miles?

C5/18 A slice of pizza costs $1. A pie, which is composed of 8 slices, costs $6. Ann buys 5 pies. How much money did she save by doing this instead of buying all the slices individually?

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C5/19 Atul’s mother weighs 30 kg more than him. Together they weigh 114 kg. How much does Atul weigh?

C5/20 Aaron knows he has somewhere between 100 and 110 baseball cards in his collection. If he counts his cards 2 at a time, he has 1 card left over. If he counts his cards 5 at a time, he has 2 left over. How many cards are in Aaron’s collection?

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Tie Breaker

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| C5/21 A watch gains 30 seconds every six hours. How many minutes will it gain in a week? |

C5/22 Bella uses of a meter of material to make a skirt. If she has 5 m of material, how many skirts can she make?