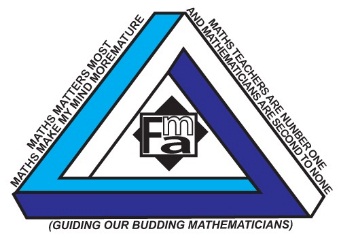
FIJI MATHEMATICS

ASSOCIATION

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**Fiji mathematics competition**

**(fmc)**

**YEAR 8**

**Thursday 23rd July 2015**

Time Allowed: 1 Hour 15 minutes

**Note:**

**Calculators are NOT permitted.**

**Diagrams are NOT drawn to scale.**

**Instructions:**

1. Print your **Name, School Name** and **Year** clearly in the space provided on the answer sheet.
2. Shade the circle corresponding to your answer with pencil on the answer sheet provided.
3. Multiple answers **will not be** accepted.



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1. The value of is
2. 5 B. 0.5 C. 0.05 D. 0.005 E. 0.0005
3. A bus can only carry a maximum of 62 students. How many buses are needed to take 623 students to the school Milo Kaji rugby Games?
4. 9 B. 10 C. 11 D. 12 E. 32
5. Write the scientific notation of 40000 x 10000
6. 4 x 106 B. 4 x 104 C. 4 x 103 D. 4 x 105 E. 4 x 108
7. Which of the following lies between 5.3 and 5.6
8. 5.2 B. 5.9 C. 5.05 D. 5.41 E. 5.61
9. A mathematics teacher brought some lollies to her class. After giving 3 each lollies to the 15 students who had completed their homework, she has 60 lollies left with her. How many lollies did she bring to the class?
10. 15 B. 45 C. 78 D. 105 E. 63
11. Anjelina arrived at the bus stop to find she had missed the 07:27 bus by two minutes and would have to wait for the 07:57 bus. How long will she have to wait?

A. 26 minutes B. 27 minutes C. 28 minutes D. 29 minutes E. 30 minutes

1. Which of these numbers has only two factors, 1 and the number itself?
2. 37 + 1 B. 37 x 1 C. 37 + 37 D. 37 x 37 E. 37 – 1
3. Jale has a collection of stamps of different countries.1/3 of them are from England. If he has 36 England stamps, how many stamps does he have in total?
4. 12 B. 36 C. 108 D. 48 E. 72
5. A clock strikes once at 1 o’clock, twice at 2 o’clock, thrice at 3 o’clock and so on. How many times will it strike in 24 hours?
6. 156 B.136 C. 78 D. 196 E. 48
7. Arrange the numbers 36, 12, 29, 21, 7 in ascending order.
8. 36, 29, 21, 12, 7 B. 7, 12, 21, 29, 36 C. 36, 29, 7, 21, 12

D. 7, 36, 12, 29, 21 E. 7, 12, 21, 36, 29

1. What is the difference between the smallest number of four digits and the largest number of three digits?
2. 1 B. 100 C. 0 D. 999 E. 112
3. Calculate 25 + 5 ÷ 5

A. 25 B. 6 C. 28 D. 7 E. 26

1. What is the opposite of 6?
2. 6 B. 5 C. 4 D. – 6 E. 12
3. What is the sum of one digit prime numbers?
4. 11 B. 13 C. 15 D. 17 E. 18
5. A number multiplied by zero is equal to:
6. The number itself B. Cannot be multiplied C. Zero D. One E. 10
7. 999 x 1000 = \_\_\_\_\_\_\_\_\_\_\_\_\_
8. 199 B. 999 C. 9990 D. 99900 E. 999000
9. Five towns are joined by the routes shown on the right.

How many different ways are there of traveling from town P to town T if, on any particular journey, no road is used more than once and no town is passed more than once?

1. 4 B. 5 C. 6 D. 7 E. 8
2. 1.01 kg = \_\_\_\_\_\_ grams
3. 10 B. 101 C. 1010 D. 10100 E. 1001
4. Ratunaisa rolls two dice with the numbers 1 to 6 on each one and obtains a total of 9. Which of the following numbers could not have been rolled?

A. 2 B. 3 C. 4 D. 5 E. 6

1. If 5*n* + 7 *>* 100 and *n* is an integer, the minimum possible value of *n* is

A. 18 B. 19 C. 20 D. 21 E. 22

1. The average of three person’s age is 9 years. What will be the total of all the ages?
2. 18 B. 21 C. 24 D. 27 E. 30
3. A school bus travels at a speed of 60 Km/hr. The distance covered in 1 hours is:
4. 60 Km B. 65 Km C. 70 Km D. 75 Km E. 120 Km
5. How much water is added to 750 g milk to get 1 Kilogram mixture of liquid?
6. 2.5 Kg B. 0.25 Kg C. 20.5 Kg D. 25 Kg E. 0.025 Kg
7. A number has 7 in one’s place and is greater than 70 but less than 80.What is the number?
8. 71 B. 73 C. 75 D. 67 E. 77
9. A long rope has to be cut to make 23 small pieces. If it is double folded to start with, how many times does it need to be cut?
10. 9 B. 23 C. 11 D. 12 E. 13
11. A river flows west to east and on the way turns left and go in a semi – circle round a hill and then turns left at right angles. In what direction is the river finally flowing?
12. North B. South C. East D. West E. North West
13. In the year 5 classroom, the desks are arranged in equal rows. Phil sits at the desk that is fourth from the front and third from the back. There are four desks on the right of Phil’s desk but only one to the left. How many desks are there in the room?
14. 26 B. 25 C. 30 D. 36 E. 49
15. Jorden and Natasha share a $250 prize in the ratio of 3 : 2. Jorden’s share is

A. $50 B. $100 C. $125 D. $150 E. $200

1. Sandy and Francis weigh a total of 59 kg when they stand on the scales together. Sandy and Allice together weigh only 53 kg. Francis and Allice together weigh 62 kg. How much does Sandy weigh?
2. 25 kg B. 28 kg C. 34 kg D. 53 kg E. 59 kg
3. A large watermelon weighs 20 kg, with 98 % of its weight being water. It is left to stand in the sun, and some of the water evaporates so that now only 95 % of its weight is water. What does it now weigh?
4. 17 kg B. 19.4 kg C. 10 kg D. 19 kg E. 8kg