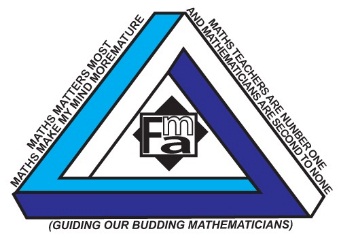
FIJI MATHEMATICS

ASSOCIATION

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**Fiji mathematics competition**

**(fmc)**

**YEAR 7**

**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. What kind of triangle has three equal sides?
2. Isosceles B. Equilateral C. Scalene D. Equiangular E. Triangular
3. Complete the sequence 13, 16, \_\_\_, 22
4. 17 B. 18 C. 19 D. 20 E. 21
5. The triangle PRS is equilateral and its area is half that of the triangle PQR. What is the size, in degrees, of the angle PRQ?
6. 75 B. 80 C. 90 D. 100 E. 120



1. How many factors are there in 71?
2. 1 B. 2 C. 3 D. 4 E. 6
3. How many surfaces does a cube have?
4. 3 B. 4 C. 5 D. 6 E. 12
5. The unit that is used to measure length and breadth is:
6. Scale B. Meter C. Litre D. Gram E. Celsius
7. It takes 3 lemons to make a glass of lemon juice. How many lemons are needed

to make 8 glasses of juice?

1. 18 B. 21 C. 24 D. 27 E. 36
2. 178 = \_\_\_\_ + 106

What number will come in the blank to make the number sentence true?

1. 72 B. 172 C. 178 D. 162 E. 82
2. What is the sum of first 2 prime numbers?
3. 1 B. 3 C. 5 D. 7 E. 4
4. Diana divides a number by 2.She then divides the answer by 2.This the same as dividing the original number by:
5. 1 B. 2 C. 4 D. ½ E. ¼
6. 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?
7. 12 B. 36 C. 48 D. 108 E. 72
8. 1024 + \_\_\_\_\_\_ + 1026 = 1025 + 1025 + 1025

What number will come in the blank space?

1. 1024 B. 1025 C. 1026 D. 1027 E. 5124
2. What is the symbol of pi?
3. ϵ B. ϴ C. α D. ρ E. π
4. Arrange the numbers 36, 12, 29, 21, 7 in descending order.
5. 36, 29, 21, 12, 7 B. 36, 29, 7, 21, 12 C. 7, 12, 21, 29, 36

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

1. What is the greatest two digit number?

A. 10 B. 20 C. 33 D. 11 E. 99

1. If p = 11 + 2 x 3; Find the value of p
2. 16 B. 66 C. 39 D. 17 E. 28
3. In 24,673 ; the place value of 6 is ………
4. 700 B. 600 C. 10 D. 100 E. 60



In the diagram, the value of χ is

1. 50 B. 55 C. 60 D. 65 E. 70
2. Find the sum of 222 + 333 + 444
3. 999 B. 555 C. 666 D. 969 E. 1000
4. Convert 240 minutes into hours.
5. 1 B. 2 C. 3 D. 4 E. 5
6. How many lines can be drawn through two points?
7. 1 B. 2 C. 3 D. 4 E. None
8. In my pocket I have three coins, a 50 c coin, a $1 coin and a $2 coin. How many different amounts of money can I make up using one or more coins?
9. 4 B. 5 C. 6 D. 7 E. 9
10. A square has one side equal to 35 m. The area of the square is:
11. 1252 m2 B. 1225 m2 C. 1252 m D. 1225 m E. 1200 m2
12. Calculate the number of months in a century?
13. 12 B. 120 C. 1200 D. 12000 E. 100
14. Which of the following sets are odd numbers?

A. 2, 3, 7, 9, 11 B. 1, 3, 5, 7, 9 C. 1, 2, 5, 7, 9 D. 3, 6, 8, 11 E. 2, 4, 6, 8, 10

1. 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?
2. 9 B. 23 C. 11 D. 12 E. 13
3. A clock is seen through a plane mirror, shows quarter past three. What is the correct time shown by the clock?
4. 8.45 B. 9.15 C. 9.15 D. 3.15 E. 3.45
5. The number in each block is the sum of the numbers in the two blocks below it.



What number should be in the top block?

1. 16 B. 20 C. 24 D. 48 E. 32
2. In a class each child can blow up 3 balloons in 1 minute. How many balloons can a group of 5 children blow up in 2 minutes?
3. 18 B. 30 C. 20 D. 10 E. 15
4. Lisa collected 50 seashells over a period of five days. Each day she collected three more than she had collected the day before. How many shells did she collect on the fifth day?
5. 10 B. 16 C. 50 D. 47 E. 13