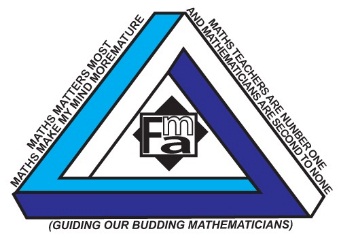
FIJI MATHEMATICS

ASSOCIATION

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**Fiji mathematics competition**

**(fmc)**

**YEAR 5**

**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. Jack sells egg for a leaving, on Monday he sold 3 dozen eggs, on Tuesday he sold 21/2 dozen eggs and on Wednesday he sold 2 eggs and on Thursday he sold 4 dozen eggs. What is the total number of eggs Jack sold?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 48 eggs | B. 138 eggs | C.12 eggs | D.11 eggs | E. 115 eggs |

1. How many lines of symmetry are present in the diamond?

|  |  |  |
| --- | --- | --- |
| A. 1 | B. 4 | C. 0 |
| D. 2 | E. 3 |  |

1. Bred cut off 9.07m of rope from a roll of 26.3m. What is the length of the rope left in the roll?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 17.23m | B. 16.6m | C. 17.4m | D. 17.27m | E. 16.27m |

1. 25 to eight in the night is the same as

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 8.25pm | B. 8.25am | C. 8.35pm | D. 7.35pm | E. 7.25 pm |

1. Ravi had $7.00. He went to the shop and bought 2 ruler at 15 cents each, 3 note books at $1.35 each. Calculate the amount left to spend on snacks.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. $2.75 | B. $3.65 | C. $3.75 | D. $4.35 | E. $2.65 |

1. Given on the right are different shape. How many of the shapes are **not** quadrilaterals?

|  |  |
| --- | --- |
| A. 9 | B. 8 |
| C. 4 | D. 3 |
| E. 5 |  |

1. Peter has 2 dozens chicken and 6 goats in his farm. How many legs are there altogether?

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| --- | --- | --- | --- | --- |
| A. 28 | B. 90 | C. 72 | D. 86 | E. 96 |

1. The next value in the number pattern 6,13,27,55, \_\_\_ is

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 100 | B. 111 | C. 110 | D. 75 | E. 109 |

1. Luisa finished washing clothes at 10.25am. If she washes clothes continuously for 1 and ¾ of an hour, at what time did she start the washing?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 9:40 am | B. 8:35am | C. 8:35pm | D. 8:40am | E. 7:25am |

1. Trees are planted 5m apart. How many trees will there be in a 35m row?

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| --- | --- | --- | --- | --- |
| A. 8 | B. 7 | C. 6 | D. 10 | E. 14 |

1. Convert 25873metres into kilometres

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 2587.3km | B. 0.25873km | C. 258.73km | D. 2.5873km | E. 25.873km |

1. The sum of the numbers in each ring should be 87. What is the value of *A?*

|  |  |
| --- | --- |
| A. 11 | B. 10 |
| C. 40 | D. 19 |
| E. 50 |  |

1. Eighteen thousand eight hundred seventy is written in digits as:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 8870 | B. 180870 | C. 180080070 | D. 880070 | E. 18870 |

1. (0 + 42 + 42 + . . . + 42 = 714) How many 42’s must be added to 0 to get 714?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 16 | B. 17 | C. 15 | D. 19 | E. 14 |

1. How many factors does the number 37 have?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 3 | B. 1 | C. 2 | D. 37 | E. 4 |

1. Which set of numbers are factors of 60 and consist of only composite numbers?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. {2,3,5} | B. {1,2,3,5} | C. {4,6,12,16,60} | D. {5,10,15,20,30} | E. {6,10,12,30} |

1. Identify the smallest fraction in the set {3/4, 5/8, 5/20, 21/24, 26/36}

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 5/20 | B. 3/4 | C. 26/36 | D. 21/24 | E. 5/8 |

Use the diagram below to answer questions 18 and 19.

**A**

**B**

1. The cardinal number for Set B is equal to

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 5 | B. 3 | C. 12 | D. 8 | E. 4 |

1. A U B =

|  |  |  |
| --- | --- | --- |
| A. {1,3,4,5,6,8,9,12} | B. {3,4,6,8,12} | C. {0,1,2,3,4,5,6,8,9,10,12,14} |
| D. {0,2,3,4,6,8,10,12,14} | E. {1,5,9} |  |

1. James bought a can of bake beans 450grams, a butter 250grams, a bar of washing soap 650grams and 1.2 kilograms of potatoes. Calculate the total mass in Kilograms (kg) that James has to carry back home.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 13.35kg | B. 25.5kg | C. 1.335kg | D. 1.55kg | E. 2.55kg |

1. Megan’s Duck farm sell an average of 364 ducks a week. How many ducks will Megan sell in 28 days?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 10198 | B. 1456 | C. 2548 | D. 1092 | E. 1820 |

1. 157o is an

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. Obtuse Angle | B. Acute Angle | C. Right angle | D. Straight Angle | E. Triangle |

20o

105o

X

1. Calculate the value of the angle marked X.

|  |  |  |
| --- | --- | --- |
| A. 70o | B. 90o | C. 65o |
| D. 55o | E. 75o |  |

1. When buying at any shop in Fiji, the total of the purchase value is rounded to the nearest 5 cent. If Kent buys a book of $1.23 and a can of coke for $1.60, how much will he pay?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. $2.90 | B. $2.80 | C. $2.85 | D. $2.60 | E. $2.95 |

1. The perimeter of a rectangle is 86cm. If its area is 450cm2, what are its length and width if both are only in whole numbers?

|  |  |  |
| --- | --- | --- |
| A. L = 24, W =19 | B. L = 23, W =20 | C. L = 30,W =13 |
| D. L = 25, W =18 | E. L = 26, W =17 |  |

1. Children are making cars from wire in the technology class. A car needs 3½ metres of wire to be made and they have 28 metres of wire. How many cars can they make?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 14 | B. 8 | C. 7 | D. 5 | E. 9 |

1. The normal selling price of a 32 inch TV is $672, during the mid-year Crazy Sale the price has been slashed to quarter of the original price. Calculate the Crazy Sale price of the TV.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. $168 | B. $336 | C. $1344 | D. $84 | E. $670 |

1. During a practical class in a high school a student was given a mop stick. The teacher asked him to cut the stick into 8 equal pieces. If it takes 30seconds to make one cut, how long will it take to complete the task?

|  |  |  |
| --- | --- | --- |
| A. 4 minutes 30 seconds | B. 2 minutes 10 seconds | C. 4 minutes |
| D. 3 minutes 30 seconds | E. 3 minutes |  |

1. A fruit cocktail requires 3kg of apple per every 18 litres of water. If 162 litres of fruit cocktail is required, calculate the amount of apple that is needed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 18kg | B. 9kg | C. 27kg | D. 54kg | E. 6kg |

1. A total of 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?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A. 10 | B. 9 | C. 21 | D. 19 | E. 11 |