**Fiji Mathematics Team Competition – Zone**

**Year 5 – 2017**

Y5/1 x, y and z are three consecutive numbers. If x = 4 and z =6, what will be the sum of x, y and z?

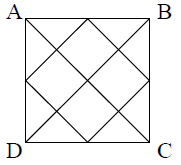
Y5/2 what is the number of minutes from 10.52 p.m. until 1:48 a.m on the next day.

Y5/3 A square table can seat one person at each side. If 20 of these tables are pushed together end-to-end to make one log narrow table, how many persons can be seated?

Y5/4 What is the only whole number between one and ten which does not divide exactly into 360?

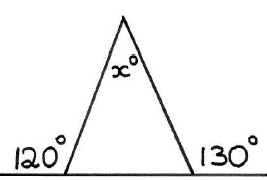
Y5/5 A glass jar contains 8 red, 6 orange, 3 red and 4 white balls. What is the probability of choosing orange ball?

Y5/6 ABCD is a square. How many triangles are there in the diagram?



Y5/7 Simplify

Y5/8 in the diagram, what is the size of the angle marked?



Y5/9 Nadiya is baking a cake. The recipe says that her cake should be baked in the oven for 1 hour and 35 minutes. She puts the cake in the oven at 11:40 am. At what time should she take the cake out of the oven?

Y5/10 A download is 95% complete. What fraction is yet to be downloaded?

Y5/11 A box weighs 242 kg when full and 188 kg when half full. How much does it weigh, in kilograms, when empty?

Y5/12 In Fiji, if school day starts at 8:40 am and ends at 3:30 pm. How many degrees does the hour hand of a clock turn through in a school day?

Y5/13 What is the value of 201 × 7 − 7 × 102?

Y5/14 When Lolly’s mother was 40, Lolly was 16. Now her mother is twice as old as Lolly.

How old is Lolly now?

Y5/15 How many seconds are there in a quarter of a third of half an hour?

Y5/16 What is the remainder when the square of 49 is divided by the square root of 49?

Y5/17 Robert is reading a book. Chapter 2 begins on page 242 and ends on page 263. How many pages are there in chapter 2?

Y5/18 The following are 11 consecutive prime numbers. What is their sum?

41+43+47+53+59+61+\_\_\_\_\_+71+73+79+83

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Y5/19 Three tiles meet at a point without leaving a gap or overlapping. They are a square, a regular hexagon, and another regular polygon. How many sides does the other polygon have?

Y5/20 I add up all even numbers between 1 and 101. Then from my total I subtract all odd numbers between 0 and 100. What is the result?

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Tie Breaker

Y5/21 David bought 7 potatoes each for $0.40. How much change would he get if he gives $10.00 to the sales person?

Y5/22 John wants to estimate the sum of 119, 382 and 225 to the nearest 100’s. What is his

estimated sum?