**Fiji Mathematics Team Competition – National Final**

**YEAR 5 – 2015**

Y5/1 Anaya collected 1,015 twenty cent coins in a jar. She went to the bank to cash them in. How much money did the bank give Anaya?

Y5/2 Jim’s wrist watch is 5 minutes slow. If his watch is showing, half past 3 now, what will be the correct time in two and a quarter hours’ time?

Y5/3 I am a two digit number. The sum of my digits is twelve. The difference between my digits is 4. What two digit number am I?

Y5/4 What is the sum of the factors of 32?

Y5/5 Josh had 6 trays of eggs. Each try had 30 eggs. While loading the egg trays in the wheelbarrow, he broke 4 eggs from every tray. What fraction of the total eggs was not broken? (Give your answer in the simplest fraction)

Y5/6 Jone’s height is 1.08 m. His brother, Jason is 17 cm shorter than him and his sister Keren is 22cm taller than him. What is the average height of Jone, Jason and Keren?

Y5/7 Kevin had 9 bags of 16 cards. He met a friend and gave him 2 cards, he met another friend and he gave away 5 more cards, along the way he was given 2 more bags of cards . How many cards does he have altogether now?

|  |  |  |  |
| --- | --- | --- | --- |
| 8 | 15 | 6 | 9 |
| 14 | 13 | 18 | 20 |
| 18 | 17 | 2 | 5 |
| 3 | 15 | 19 | 6 |

Y5/8 Join any four numbers to find their total. Joins can go up,

down or sideways, **but not diagonally**. For example: The score shown is 8 + 15 + 6 + 18 = 47. Find the highest possible score.

Y5/9 Use any **three** of the following symbols to achieve a total of 34 using the following numbers **9**, **2**, and **8** in any order.

Symbols: +,, - and ( ) (addition, subtraction, multiplication and brackets)

Y5/10 Minu collected an average of 26 shells from Monday to Thursday. How many shells did she collect on Friday if the average shells she collected for 5 days were 28?

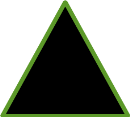
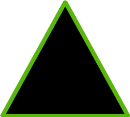
Y5/11 In April Flash Harry bought a saddle for $100.In May, he sold it for $200.In June, he was sorry he had sold it.So he bought it back for $300.In July, he got tired of it.So he sold it for $400.Overall, did Flash Harry make or lose money? How much did he make or lose?

Y5/12 Riro drove for 2 hours at 60 km/hour.

Joseph rode his bike for 4 hours at 20 km/hour.

Calculate the time Joseph took to cover the same distance that Riro had covered in 1 hour?

Y5/13 Marie and Jennifer ate a piece of cake each. Marie’s piece was 1/5 of the cake. Jennifer’s piece was 2/3 of the cake. What fraction of the cake was uneaten? (Give your answer in the simplest fraction)

Y5/14 The perimeter of an equilateral triangle is 16.06 cm. What would be the perimeter of a shape made by two such triangles joined together at one edge?

Y5/15 Sylvester ran 3 times around a rectangular field with length 42 m and width

15m. How many meters did Sylvester run?

Y5/16 How many degrees are 2 right angles?

Y5/17 In a class of 40 students are absent. of the remaining students are out of

the classroom doing some work. How many students of the class are inside the classroom?

Y5/18 Andy solves problems from numbers 74 to 125 from a Math Quiz. What fraction of the problems does Andy solve from the Math quiz if there were a total of 125 questions in the quiz? (Give your answer in the simplest fraction)

Y5/19 Order from least to greatest:,,,.

Y5/20 Work out the **product** of the 1st, 5th and 10th triangular numbers?

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Tie Breaker

Y5/21 To have **F** + 2 = 4, **F** must be equal to

Y5/22 Picture a circular clock face. How many degrees does the minute hand turn if it moves from 11 to 3 clockwise?