**Fiji Mathematics Team Competition – ZONES**

**Class 5/YEAR 5 – 2016**

Y5/1 Solve: 4 + 4 x 5 – 3 =

Y5/2 Susan swims a race in 29 9/10 seconds. Patty swims the race in 33 3/10 seconds. How much faster was Susan than Patty?

Y5/3 Aran has a collection of toy animals. are dogs, are cats and are snakes. How many dogs and snakes does Aran have if the total number of animals that he has is 60 ?

Y5/4 Gurmit paid $21 for five presents. If the gifts have cost him as shown below:

For A and B he paid a total of $6.

For B and C he paid a total of $10

For C and D he paid a total of $7

For D and E he paid a total of $9.

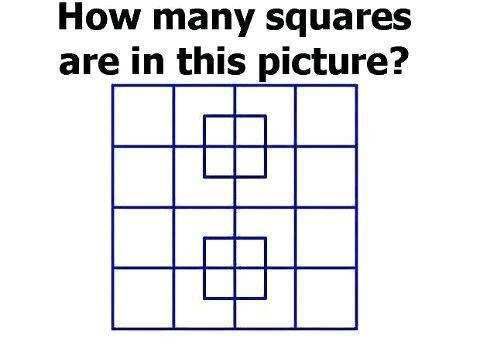
How much did Gurmit pay for gift D?

Y5/5 After the start of year 2017, what date, and time would it be after 2000 minutes?

Y5/6 Mum and Paul are talking about birthdays. They take Paul’s age and double it.Then they add 5. The answer is 35. Mum says this is her age. How old is Paul?

Y5/7 My age this year is a multiple of 8. Next year it will be a multiple of 7. How old am

I?



Y5/8 How many squares can you count?

Y5/9 Ruben made 4 stacks of wooden blocks. The first stack was 7 blocks tall. The second stack was 10 blocks taller than the first. The third stack was 13 blocks shorter than the second stack, and the last stack was 4 blocks taller than the third stack. How many blocks did Ruben use in all?

Y5/10 In Simran's desk drawer there are 17 yellow highlighters. There are 4 more pink highlighters than yellow highlighters, and there are 11 more blue highlighters than pink highlighters. If 4 highlighters do not work well, how many good highlighters are in Simran's desk drawer?

Y5/11 What are the next two numbers in this sequence?

3,6,4,8,6,12,10,20,\_\_\_\_,\_\_\_\_

Y5/12 In the figure below , replace the question mark (2nd row, 2nd column) with the appropriate value.

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 5 | 6 | 3 |
| 4 | **?** | 1 | 2 |
| 9 | 1 | 2 | 3 |
| 1 | 1 | 6 | 7 |

Y5/13 One container has 28 kilograms of flour and another has 4 kilograms.

How many kilograms must be taken from one container, so each has an equal amount of flour?

Y5/14 Ruci must give 5 out of every 6 dollars she earns each week to the tax department. If Ruci gets to keep $10 this week, how much did she earn in total this week?

Y5/15 If a piece of blueberry pie costs $4 and a piece of apple pie costs half times more than a piece of blueberry pie, how much does a piece of apple pie cost?

Y5/16 The numbers in each box go together in a certain way. Find the missing number marked by the question mark:

|  |  |  |  |
| --- | --- | --- | --- |
| **5, 10, 25** | **9, 18, 81** | **4, 8, 16** | **8, 16, \_?\_\_** |

Y5/17 The novels on Suzanne’s bookshelf have a combined total of 672 pages. If each novel has 4 chapters and there are 6 pages per chapter, how many novels are there altogether?

Y5/18 A motorbike race was scheduled to start at 4.10pm; however, it started 10 minutes behind schedule. If the motorbike that came first finished one hour and fifteen minutes after the race began, and the motorbike that came in second place finished 15 minutes after this, at what time did the motorbike that came second cross the finish line?

Y5/19 Grandma’s cookie mixture has eight parts flour and six parts sugar. If Grandma needs to make 28 kilograms of cookie mixture for a party, how many kilograms of flour will she need?

Y5/20 Sam bought a car valued at $7700. One year later the car’s value had decreased by 2 /7. What is the new value of the car?

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Tie Breaker

Y5/21 Oscar bought 9 packs of red bouncy balls and 8 packs of yellow bouncy balls. Each package contained 18 bouncy balls. How many more red bouncy balls than yellow bouncy balls did Oscar buy?

Y5/22 If 2 fligs make a flog and 3 flogs make a flug, how many fligs in 12 flugs?