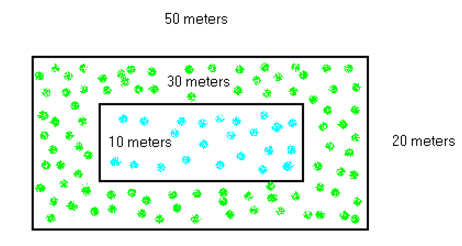
**Fiji Mathematics Team Competition – Finals**

**Year 5 – 2017**

Y5/1 How many integers are there on the number line between the numbers -9.24 and -0.8?



Y5/2 The figure shows the number medals won by the countries in the 2012 Olympics. What percentage of the total medals did China win? Give answer to the nearest whole number:

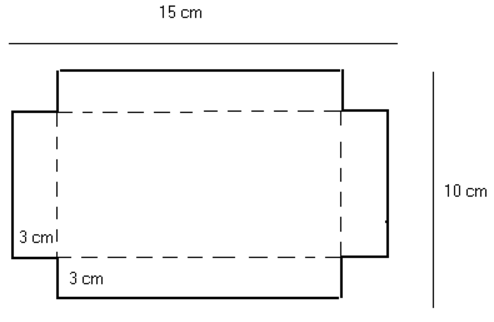
Y5/3 In Timoci's house, a rectangular swimming pool (blue) whose length 30 meters and width 10 meters is surrounded by grass (green). The pool with the grassy area make a large rectangle whose length is 50 meters and width 20 meters. What area is occupied by the grass?

Y5/4 A painter charges $ 225 for materials and $ 35 per hour for labour. The total cost of painting an office is $715. How many hours did it take the painter to paint the office?

Y5/5 On the number line which number is the half-way point between and

Y5/6 Melvin had $36 and withdrew some more money from his bank account. He bought a pair of trousers at $34.00, two shirts at $16.00 each and 2 pairs of shoes at $24.00 each. After the shopping, he had $32.00 left. How much money did Melvin withdraw from the bank?

Y5/7 Tina works 15 hours a week (Monday to Friday). Last week she worked hours on Monday, 4 hours on Tuesday, hours on Wednesday and on Thursday. How many hours did she work on Friday?



Y5/8 Mary wants to make a box. She starts with a piece of cardboard whose length is 15 centimeters and width is 10 centimeters. Then she cuts 4 congruent squares with sides of 3 centimeters at the four corners and folded at the broken lines to make the box. What is the volume of the box? [Hint: of the box]

Y5/9 Two identical dice are rolled. What is the probability that the sum of the faces obtained is greater than or equal to 6?

Y5/10 Two numbers N and 16 have LCM = 48 and GCF = 8. Find N.

Y5/11 A machine fills 150 bottles of water every 8 minutes. How many minutes it takes this machine to fill 675 bottles?

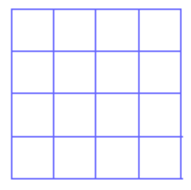
Y5/12 Write the following numbers in numerals.

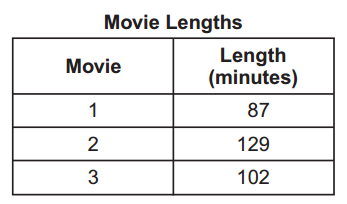
“ten million, ten thousand and ten”

Y5/13 3 bulbs are used to make a flashing game. Bulb A flashes every 5 seconds. Bulb B flashes every 10 seconds and bulb C flashes every 25 seconds. If the game is switched on now, in how many seconds will all three bulbs flash at the same time?

Y5/14 Jone had $100 to buy drinks and sandwiches for his birthday party. He bought 5 small boxes of drinks at $4 each box and 8 boxes of sandwiches at $6 each box. How much money was left after the shopping?

Y5/15 There are 365 days in one year, and 100 years in one century. How many hours are in one century?

Y5/16 A large square is made of 16 congruent squares. What is the total number of squares of different sizes are there?



Y5/17 A movie theater is playing 3 movies. The length, in minutes, of each movie is shown in the table. Samantha plans to watch all three movies one day. If the first movie screening is at 9.30am and there are 15 minutes breaks between movies, what time would you expect Samantha to finish her movie marathon?

Y5/18 A bus has 15 rows of seats. Each row has 5 seats except for the last row which has 7 seats. If the bus is hired from Nadi to Suva and if the fare per head is $12.50, how much would the bus company collect on the trip? Assume all seats are occupied.

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Y5/19 If Ω = the set of letters in the word WESTERN, β = the set of letters in the word PARENT, and µ = the set of letters in the word WAGON, evaluate the set

Y5/20 Tom and Bob are brothers and they each had the same amount of money which they put together to buy a toy. The cost of the toy was $22. If the cashier gave them a change of 6$, how much money did each have?

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Tie Breaker

Y5/21 How many minutes are in one week?

Y5/22 The number line shows the locations of the values, p, and 1 where p is the midpoint. Which value could p represent?



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