

Fiji Mathematics Team Competition – Zones
Year 5 – 2014

Y5/1 A jacket that sells for \$36 is on sale for $\frac{1}{4}$ off the price. What is the sale price of the jacket?

Y5/2 $\frac{2}{5}$ of the coins in my pocket are 50 cent coins .The rest are \$1 saqamoli. I have 6 saqamoli. How many 50 cent coins do I have?

Y5/3 A recipe for fruit punch says to use 8 L of orange juice for every 3 L of grape juice. Navin used 72 L of orange juice. How many litres of grape juice were used?

Y5/4 I have 10 metres of material. I need to cut lengths of 30 centimetres. How many complete lengths can I cut? How much will be left over?

Y5/5 Students at Raiyawa Memorial School voted for their favorite snack. For every 7 students that voted for candy, 3 students voted for popcorn. There were a total of 42 votes for candy. How many fewer students voted for popcorn than candy?

Y5/6 A thick mop stick has to be cut into 8 equal pieces. Each cut takes you 30seconds. How long will it take to cut the mop stick into pieces?

Y5/7 Tom runs $\frac{3}{4}$ of an hour every Monday, 30 minutes every Tuesday, half an hour every Wednesday, $1\frac{1}{4}$ hours every Thursday and $\frac{2}{3}$ of an hour on Friday. How many hours does Tom run from Monday to Friday?

Y5/8 The length of a rectangle is four times its width. If the area is 100 m^2 what is the length of the rectangle?

Y5/9 $\frac{1}{2} + \frac{1}{14} =$

Y5/10 What fraction of 1 hour is 50 minutes?

Y5/11 Samu and his mum are at the pet store. The pet store has 18 reptiles. One third of the reptiles are turtles. One sixth of the reptiles are tortoises, two are snakes, and the rest are lizards. How many lizards are in the pet store?

Y5/12 The movie *Spider Man 2* at the *Village Four Cinemas* is 2 hours and 40 minutes long. During its screening there are two 7 minutes break and 15 minutes of advertisement at the beginning of the movie. If the *Spider Man 2* screening begins at 7.15pm, at what time will it end?

- Y5/13 If a plane flies 612 km per hour, approximately how many kilometres will it travel in 5 hours and 20 minutes?

- C5/14 *Salad Bowl Primary School* has a school roll of 639 students. There are twice as many boys than girls in *Salad Bowl Primary School*. 4 new girls and 7 new boys were enrolled by the head teacher.

How many more boys are there than girls in the school now?

- C5/15 Vicky wants a new smart phone. He earns \$1.50 a day for raking the back yard. He rakes the yard for 4 days in a week. If the smartphone costs \$299, how many days must Vicky rake the backyard in order to buy the smartphone?

- C5/16 How many times does the digit 6 appear between numbers 52 and 88?

- C5/17 Sera took part in 10,000 metres race around a 400m track. She was able to complete $7\frac{4}{5}$ rounds of the track. How many metres of race was she not able to complete?

- C5/18 An average of 35 paperback books fit on each shelf of a bookcase. There are 4 shelves in each bookcase. How many bookcases will be needed to shelve 1540 books?

- C5/19 Tota made a design using tiles. For every 2 square tiles he used, he used 8 triangles. When she was finished, Tota had used 48 square tiles. How many triangles did he use?

- C5/20 Rita and Rahul are playing a game. They begin on the same space. Rita moves her pieces 6 spaces forward. Rahul moves his piece 4 spaces forward. Then Rita draws a card telling her to move back 3 spaces. Rahul again draws a card telling him to go back to start. Then Rita moves 2 spaces forward.

How many spaces apart are Rita and Rahul's pieces now?

.....

Tie Breaker

- C5/21 Raj spent \$54.06 on assorted item for XYZ store. If there were 20 items altogether, how much did raj spend on average on each of the item?

- C5/22 A notebook has a mass of 145g. There are 80 notebooks in a carton and the mass of the empty carton is 400g. What is the mass in kilograms of the carton full of notebooks?
