

22. At a birthday party there were seven pizzas, each containing eight slices. 41 slices were eaten. What fraction of pizza was left?

- A. $\frac{41}{56}$ B. $\frac{15}{56}$ C. $\frac{7}{56}$ D. $\frac{8}{56}$ E. $\frac{9}{56}$

23. How much time does it take Mrs Spencer to travel 1240 metres at a speed of 80 metres per second

- A. 5s B. 15.5s C. 20s D. 10s E. 25s

24. A science book has 250 pages, each page of 0.5 mm thickness and two hard covers, each of 10mm thickness. Determine the total thickness of the book.

- A. 140mm B. 100mm C. 50mm D. 200mm E. 145mm

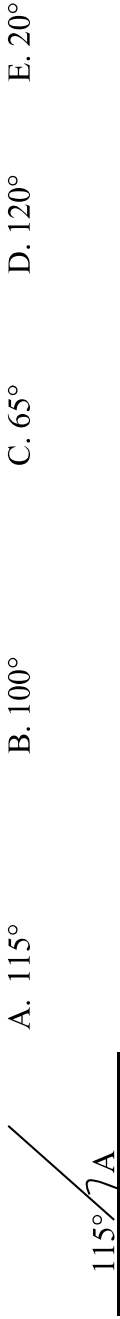
25. Meli starts swimming at half past one in the afternoon and stops after 100 minutes. At what time did he stop swimming?

- A. 2.30pm B. 4.10pm C. 3.10pm D. 2.40pm E.12.30am

26. A camel drinks 415 litres of water every 6 days. How many litres of water will it drink in 60 day?

- A. 4150 litres B. 41.5 litres C. 421 litres D. 2490 litres E. 6640 litres

27. Find the size of the angle marked A in the following diagram.



28. Pravin’s age is six times Rajan’s age. The sum of their ages is 35. How old is Pravin?

- A. 5 B. 15 C. 20 D. 24 E. 30

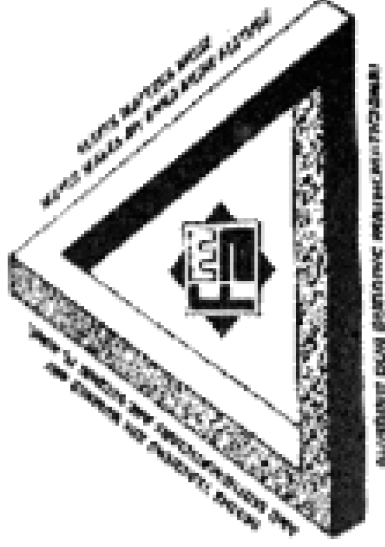
29. Find the discounted price if \$90 is discounted by 15%.

- A. \$13.50 B. \$10.00 C. \$90.00 D. \$76.50 E. \$7.50

30. Find the value of P if $5P+8=33$

- A. 3 B. 8 C. 33 D. 5 E. 6

FIJI MATHEMATICS ASSOCIATION



FIJI MATHEMATICS COMPETITION

(FMC)

YEAR 8

Thursday 10th July 2014

Time Allowed: 1 Hour 15 minutes

Note:

Calculators are NOT permitted.

Diagrams are NOT drawn to scale.

Instructions:

1. Print your **Name**, **School Name** and **Year** clearly in the space provided on the answer sheet.
2. Shade the circle corresponding to your answer with pencil on the answer sheet provided.
3. Multiple answers **will not be** accepted.

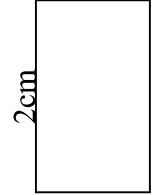
1. Find the next number in the sequence 234, 220, 206, ____.

A. 192 B. 182 C. 92 D. 178 E. 164

2. $3^2 - 2^2 + 1 =$

A. 4 B. 8 C. 6 D. 7 E. 5

3. Find the area of the shape given below.



A. $5cm^2$ B. $6cm^2$ C. $10cm^2$

D. $3cm^2$ E. $2cm^2$

4. $1\frac{2}{3} + \frac{5}{6} - \frac{1}{6} =$

A. $\frac{5}{3}$ B. $\frac{5}{6}$ C. $\frac{1}{6}$ D. $\frac{5}{2}$ E. $\frac{7}{3}$

5. There are 50 carpenters in a crew. On a certain day, 20 were present. What percent showed up for work?

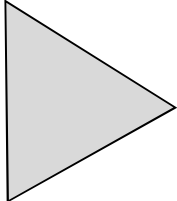
A. 40% B. 50% C. 30% D. 60% E. 20%

6. Nasima works 42 days and is paid \$63 per day? What is the total amount received at the end of 42 days?

A. \$105 B. \$42 C. \$63 D. \$200 E. \$2646

7. How many axis of symmetry does the given equilateral triangle have?

A. 3 B. 2 C. 0
D. 1 E. 4



8. Marika left home for a party at 6.45 p.m. He returned home at 12.30 a.m. How many hours was Marika away from home?

A. $5\frac{3}{4}hrs$ B. $4\frac{3}{4}hrs$ C. $5\frac{1}{4}hrs$ D. $6\frac{1}{4}hrs$ E. 5 hrs

9. The price of a ticket to a show costs \$5.20.What will 6 tickets costs?

A. \$31.00 B. \$31.20 C. \$5.20 D. \$30.00 E. \$35.00

10. How many centimeters are there in two and a half metres?

A. 2.5cm B. 25cm C. 5cm D. 50cm E. 250cm

11. Anne takes 70 paces to walk 50m. The number of paces Anne takes to walk 3.5 km is?

A. 2500 B. 4900 C. 3500 D. 3750 E. 5000

12. Given a = 3, b = 5 and c = 8, the value for $5c - ab$ is

A. 40 B. 15 C. 55 D. 25 E. 20

13. Find the average of the set of numbers given: 4, 6, 2, 6, 8, 5,4.

A. 4 B. 6 C. 5 D. 2 E. 8

14. Jerry had 4 dozen bundles of dalo, which were sold at \$1.60 a bundle, how much would he get if all his dalo were sold at the end of the day?

A. \$76.80 B. \$6.40 C. \$75.00 D. \$57.60 E. \$57.00

15. A packet of sweets weighs 250g. How much will 8 packets of similar sweets weigh?

A. 250g B. 2500g C. 2050g D. 2000g E. 25g

16. How many times does the digit 8 appear if the number 100220 is subtracted from 1000000?

A. 1 B. 2 C. 3 D. 4 E. 5

17. A water tank has a full capacity of 1500 litres. If the tank is $\frac{1}{4}$ full, how much water is there in the tank?

A. 375L B. 1500L C. 1000L D. 1050L E. 1125L

18. A shopkeeper has 50kg of flour. How many 250grams packets can he make out of this flour?

A. 50 B. 250 C. 100 D. 200 E. 150

19. How many odd numbers are there between 48 and 120?

A. 30 B. 31 C. 36 D. 35 E. 34

20. What is the lowest common multiple of 4, 5 and 50?

A. 50 B. 150 C. 100 D. 200 E. 250

21. You have 55m of ribbon for your gift boxes. Each box gets the same amount of ribbon. How much ribbon will each of your 20 gift boxes get?

A. 2.75m B. 2m C. 2.5m D. 1.5m E. 1m