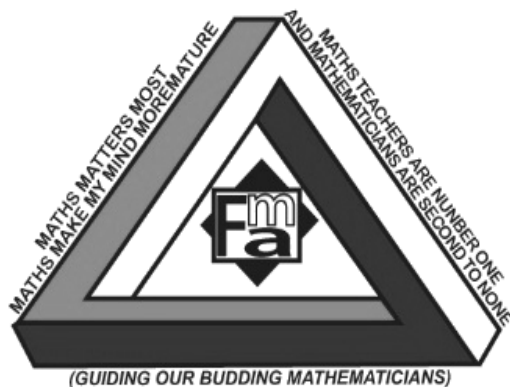


FIJI MATHEMATICS ASSOCIATION



FIJI MATHEMATICS COMPETITION (FMC) YEAR 5

Thursday 1st September 2016

Time Allowed: 1 Hour 15 minutes

Note:

Calculators are NOT permitted.

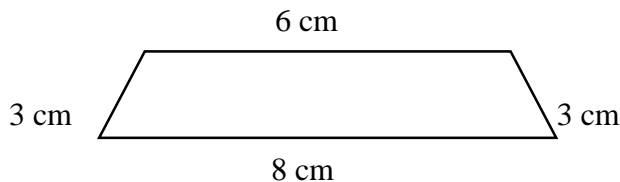
Diagrams are NOT drawn to scale.

Instructions:

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

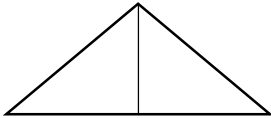
Year 5

1. The next value in the number pattern 1, 3, 5, 7, _____ is
A. 8 B. 9 C. 10 D. 11 E. 12
2. 14×35 equals
A. 490 B. 500 C. 140 D. 49 E. 480
3. Which symbol will make the statement correct? 5×7 _____ 3×8
A. \leq B. \equiv C. $=$ D. \neq E. $<$
4. 7.5 is closest to the whole number
A. 6 B. 7 C. 8 D. 9 E. 10
5. Twenty thousand three hundred and fifty written in **digits** as:
A. 2035 B. 2000350 C. 20305 D. 20350 E. 200350
6. How many factors does the number 36 have?
A. 9 B. 8 C. 7 D. 6 E. 4
7. 5000 m when expressed in km is:
A. 500 km B. 50 km C. 5 km D. 0.5 km E. 5000 km
8. Find the perimeter of the figure given below:



- A. 24 cm B. 20 cm C. 14 cm D. 6 cm E. 12 cm
9. The value of $\frac{7}{12} - \frac{1}{4}$ is
A. $\frac{6}{8}$ B. $\frac{2}{3}$ C. $\frac{4}{7}$ D. $\frac{1}{3}$ E. $\frac{3}{4}$
 10. Osea bought a bucket of ice cream for \$45 and made a total sale of \$120 by selling as cone ice cream. What was his profit from the sale of ice cream?
A. \$25 B. \$35 C. \$65 D. \$80 E. 75
 11. If the cost of one Apple is 80 cents, then what will be the cost of a dozen Apples?
A. \$9.60 B. \$9.00 C. \$8.00 D. \$8.60 E. \$96

Year 5

12. What is the angle on a clock between the big hand and the small hand at exactly 3.00 O'clock?
- A. 90° B. 45° C. 30° D. 60° E. 120°
13. A number times itself is 169. What is the number?
- A. 12 B. 13 C. 14 D. 15 E. 16
14. The decimal sum of the fraction $7 + \frac{3}{10} + \frac{6}{100} =$
- A. 0.736 B. 73.6 C. 7.36 D. 736 E. 736.0
15. 375 when rounded off to the nearest hundred is
- A. 300 B. 350 C. 400 D. 500 E. 700
16. During a Mid-Year special a shop sells 3 rugby balls for \$32. How much will 15 rugby balls cost?
- A. \$150 B. \$96 C. \$45 D. \$160 E. \$480
17. Evaluate $2\frac{1}{3} + \frac{5}{4}$
- A. $\frac{43}{12}$ B. $\frac{24}{12}$ C. $\frac{16}{4}$ D. $\frac{28}{4}$ E. $\frac{12}{43}$
18. 5 friends picked 35 mangoes and decided to share them equally. How many mangoes will each get?
- A. 5 B. 10 C. 3 D. 8 E. 7
19. Determine the total number of triangles in the figure shown.
- A. 2 B. 3 C. 4
D. 5 E. 1
- 
20. Roy has a saving account at BSP. He plans to save \$90.00 monthly. How much will he save in one year?
- A. \$450 B. \$540 C. \$1080 D. \$1170 E. \$2340
21. Ram's family of 3 adults and 4 children went to watch a movie. If each adult paid \$5.50 and each child paid \$4.50, how much change will Ram get from \$50.00?
- A. \$34.50 B. \$14.50 C. \$40.00 D. \$16.50 E. \$15.50
22. A tank is $\frac{3}{4}$ full and it contains 60 litres of water. How many litres of water would it contain if it was $\frac{1}{2}$ full?
- A. 20 B. 22.5 C. 40 D. 50 E. 80

Year 5

23. Which of the following is not a factor of 108?

- A. 2 B. 3 C. 4 D. 14 E. 27

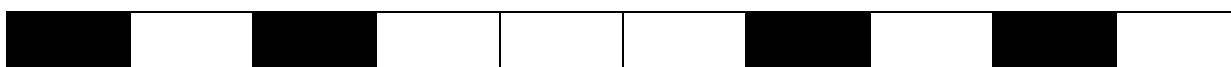
24. Lightning flashes 11 times in a second. How many flashes will be seen in a minute?

- A. 6 B. 22 C. 41 D. 330 E. 660

25. Semi starts cycling at 5.30 am in the morning and stops at 7.20 am. For how many minutes did he ride?

- A. 140 B. 110 C. 830 D. 250 E. 220

26. What fraction of this shape is not shaded?



- A. $\frac{5}{10}$ B. $\frac{6}{5}$ C. $\frac{4}{10}$ D. $\frac{3}{5}$ E. $\frac{2}{5}$

27. The average mark is 76 for 4 tests. The scores of the first 3 tests are 81, 75 and 79. What is the total score of the 4 tests?

- A. 311 B. 69 C. 80 D. 304 E. 322

28. Which fraction is not written with the correct decimal?

- A. $\frac{2}{10} = 0.2$ B. $\frac{20}{100} = 0.2$ C. $\frac{5}{100} = 0.05$

- D. $\frac{67}{100} = 0.67$ E. $\frac{2}{3} = 0.9$

29. What is the missing number in this magic square?

- A. 17 B. 20 C. 15
D. 22 E. 18

15	20	19
22		14
17	16	21

30. A cake is divided among three boys such that the first gets $\frac{3}{8}$ of the cake, the second gets $\frac{1}{3}$. The fraction left for the third boy is:

- A. $\frac{5}{8}$ B. $\frac{7}{11}$ C. $\frac{7}{24}$ D. $\frac{13}{24}$ E. none.