



GG RS LEARNING HUB PVT. LTD.

IMO CLASS 5 (MATHS)

Total Questions: 50

Time: 1 hr.

Section – 1 : Patterns, Analogy and Classification, Geometrical Shapes, Mirror and Water Images, Direction Sense Test, Ranking Test, Alphabet Test, Logical Sequence of Words, Puzzle Test, Coding-Decoding.

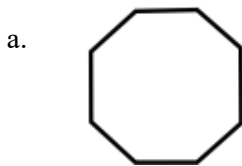
Section – 2 : Numerals, Number names and Number Sense (7 and 8 digit numbers), Computation Operations, Fractions and Decimals, Measurement of Length, Weight, Capacity, Time, Temperature and Money, Conversions, Geometrical Shapes and Solids, Angles, Perimeter of Various Shapes & Area of Rectangle and Square, Symmetry, Data Handling

Section – 3 : The syllabus of this section will be based on the Syllabus of Mathematical Reasoning.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section-2.

SECTION 01 LOGICAL REASONING

1. Which of the following figures has maximum lines of symmetry?



2. Fill in the blank:

$$2000.0051 = 2000 + \underline{\hspace{2cm}} + 0.0001$$

a. 0.050

b. 0.005

c. 0.505

d. 0.001

3. A car covers 24.5 km in 4.2 L of petrol. How much distance will it cover using 2 L of petrol?

a. 5.833 km

b. 11.67 km

c. 13.45 km

d. 16.67 km

4. What is the HCF of 210, 350 and 546?

a. 14

b. 28

c. 7

d. 1

5. Which of the given options have a vertical line of symmetry?



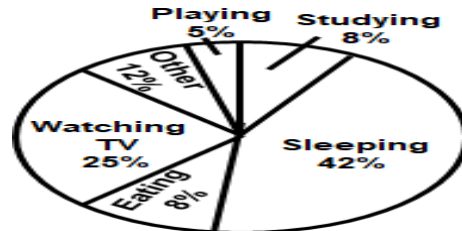
a. 1 and 2

b. 2 and 3

c. 3 and 4

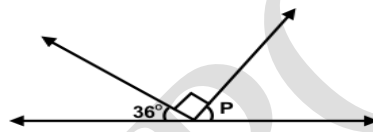
d. 1, 2 and 4

6. Ahek spends his Sunday doing many activities as shown in the pie chart. How much time does he spend on watching TV?

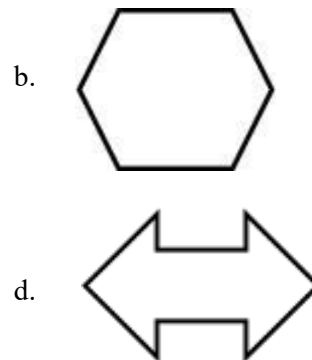
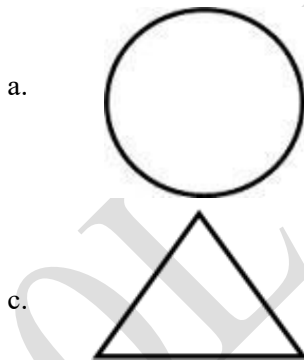


- a. 6 hours
b. 4 hours
c. 5 hours
d. 2 hours 10 minutes
7. Find the distance covered by a train in the month of October, if it is travelling without stopping for a single minute continuously at the speed of 68 km/hour
- a. 37,290 km
b. 50,592 km
c. 12,740 km
d. 64,280 km

8. Find the measure of $\angle p$ in the given figure:



- a. 63°
b. 54°
c. 90°
d. 144°
9. Which of the given shapes can have only 3 lines of symmetry?



10. Find the value of the following:

$$- 53 \times 27 - (- 462) + 294.50 - (- 2135.80)$$

- a. 1532.8
b. 1461.3
c. 1789.33
d. 1964.9



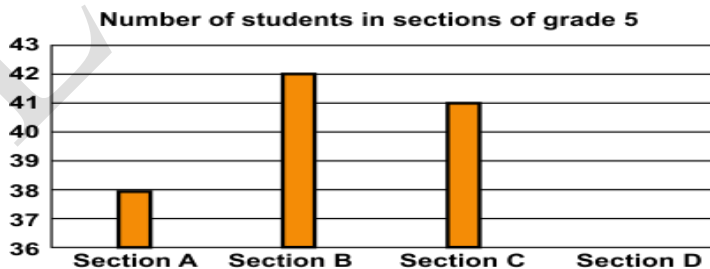
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18. Find the value of a in $(-26 \times a) \div 4 = 364$.
- a. 26
b. - 37
c. 78
d. - 56
19. A rectangle measuring 12 cm x 84 cm is divided into 7 parts such that each part is a square. Find the area of 3 of these parts.
- a. 254 cm²
b. 432 cm²
c. 756 cm²
d. 374 cm²
20. James bought two watches for his parents. The cost of his mother's watch is 7990 cents more than his father's watch. If he spent a total of 28,000 cents on the watches, then find the cost of his mother's watch.
- a. 20,010 cents
b. 15,999 cents
c. 10,005 cents
d. 17,995 cents
21. While running a marathon of 22 km, the distance covered by a runner is one-fourth of the distance she has yet to cover. Find the distance she has covered.
- a. 6.1 km
b. 5 km
c. 4.4 km
d. 5.5 km

22. The given table shows the amount spent in cents by a family. Find the ratio of the amount spent on laundry to the amount spent on groceries.

Categories	Grocery	Rent	Laundry	Educations	Others
Expenditure	8570	20,000	1000	10,000	15,000

- a. 100/857
b. 857/100
c. 10/857
d. 857/1000
23. Simplify: $590 - [2 \times \{20 \times (9 \times 2 - 3 \times 6)\}]$
- a. 570
b. 0
c. 590
d. 100
24. If the total number of students in four sections of grade 5 is 160, then find the number of students in section D.



- a. 42
b. 41
c. 40
d. 39
25. For a project, Reh has to go and live in a different city. He left on 14th March and stayed there for 59 days (including the day he left). When did he come back?
- a. 18th May
b. 11th May
c. 30th April
d. None of the above



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26. Arrange 0.34 km, 56000 cm, 310000 mm and 1600 m in descending order:
a. $1600\text{ m} > 0.34\text{ km} > 310000\text{ mm} > 56000\text{ cm}$
b. $56000\text{ cm} > 0.34\text{ km} > 1600\text{ m} > 310000\text{ mm}$
c. $1600\text{ m} > 56000\text{ cm} > 0.34\text{ km} > 310000\text{ mm}$
d. $0.34\text{ km} > 310000\text{ mm} > 1600\text{ m} > 56000\text{ cm}$
27. What do we get when we divide the sum of $4^5/9$ and $3^6/11$ by their difference?
a. 9.99
b. 10.01
c. 8.02
d. None of the above
28. Find the number of small cubes formed if a big cube of side 24 m is cut into small cubes of side 6 m.
a. 24
b. 40
c. 32
d. 64
29. How many times during a day the hands of a clock make a straight line?
a. 11
b. 24
c. 22
d. 44
30. The LCM of a and b is 220. Which of the following can be the HCF of a and b?
a. 33
b. 15
c. 20
d. 12
31. 3,00,000 people visited a park in 200 days and same number of people visited the park every day. How many people visited the park in 1 day?
a. 15,000
b. 150
c. 1,500
d. 3,000
32. Which expression has a value greater than -3?
a. $4 + (-9)$
b. $3 + (-8) + 1$
c. $-10 + 8$
d. $-1 + (-5) + 2$
33. Find the value of the following: $[823 + (-398)] + [413 - 312 + (-400)] - (-30) + 286 - \{(-115) + 117\}$
a. -440
b. -287
c. 287
d. 440
34. The mixed fraction $5^4/7$ can be expressed as:
a. $33/7$
b. $39/7$
c. $33/4$
d. $39/4$
35. The weight of three boys is $11^3/4$ kg, $14^1/5$ kg and $16^1/2$ kg. Find the total weight of the three boys.
a. $41^9/20$ kg
b. $43^9/20$ kg
c. $42^9/20$ kg
d. $44^9/20$ kg

SECTION 03 EVERYDAY MATHEMATICS

36. The decimal form of $6708/100$ is _____.
a. 67.08
b. 670.08
c. 6.708
d. 670

