OLYMPIAD
Mock Test 2

Name : _____

Max. Marks : 35

Number of Questions : 35

Time : 2 Hours

There is no negative marking in the test.

1. Which one of the following digits is at the place of ten thousand in the numerals 81564 ?

   (a) 5 (b) 4

   (c) 8 (d) 2

2. The expanded form of the number 648345 is

   (a) 6 + 4 + 8 + 3 + 4 + 5

   (b) 600000 + 40000 + 8000 + 300 + 40 + 5

   (c) 60000 + 4000 + 83000 + 45

   (d) All of these

3. There is a straight street between India gate and President house. If president house is supposed to be point A and India gate is point B, then the length of street between the points is

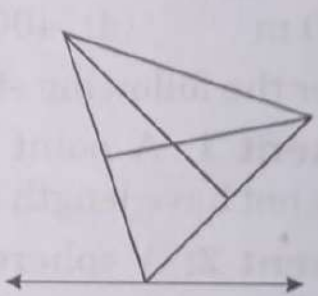
   (a) A line

   (b) A line segment

   (c) An arrow

   (d) All of these

4. How many triangles are there in the figure below ?



   (a) 9 (b) 8

   (c) 6 (d) 3

5. How much is 65 kg greater than 62450g?

   (a) 2 kg 500 g (b) 2 kg 400 g

   (c) 2 kg 550 g (d) 2 kg 450 g

6. Convert 52367 ml into litres and millilitres.
   (a) 5ℓ 2367mℓ (b) 523ℓ 67mℓ
   (c) 52ℓ 367mℓ (d) 50ℓ 367mℓ

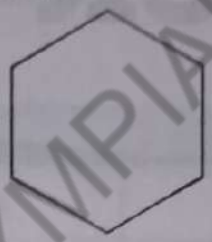
7. What is the difference between the greatest and smallest of five digit numbers ?
   (a) 80000 (b) 90000
   (c) 89999 (d) 10000

8. A bicycle covers a distance of 12 km in one hour. What is the distance covered by the bicycle in 6 hours?
   (a) 68 km (b) 42 km
   (c) 72 km (d) 56 km

9. Convert 4 km 5 metre in metre.
   (a) 4400 m (b) 4005 m
   (c) 4200 m (d) 4000 m

10. Consider the following statements:
    Statement 1: A point has place but does not have length and width.
    Statement 2: A sphere has only one flat face.
    Which one of the following is correct about the above statements?
    (a) Statement 1 is true and statement 2 is false.
    (b) Statement 1 is false and statement 2 is true.
    (c) Both statements are true.
    (d) Both statements are false.

11. How many vertices are there in the figure below?



    (a) 5 (b) 4
    (c) 6 (d) 3

12. Find the smallest even number.
    (a) 1 (b) 2
    (c) 3 (d) 4

13. Consider the following statements:
    Statement 1: Product of a number by 1 is the number itself.
    Statement 2: Product of a number by 0 is always 1.
    Which one of the following is correct about the above statements?
    (a) Statement 1 is false and statement 2 is true.
    (b) Statement 1 is true and statement 2 is false.
    (c) Both statements 1 and 2 are false.
    (d) Both statements 1 and 2 are true.

14. State whether the following statements are True or False.

(a) 1 rupee = 100 paise

(b) A year has 11 months

(c) Quarter of an hour means 15 minutes

(d) 1 m = 1000 cm

Now, choose the correct option.

(a) TTFF (b) TFTF

(c) TFFT (d) FTFT

(d) 1 m = 1000 cm

15. The cost of 12 toffees is ₹ 6. What would be the cost of 1 toffee ?

(a) 50 paise (b) 60 paise

(c) 70 paise (d) 75 paise

16. An object has length, width and height. It has 8 corners and all sides are equal. Which one of the following is the geometrical name of the object ?

(a) Cylinder (b) Cuboid

(c) Cube (d) All of these

17. Arrange in descending order.

$\frac{7}{9}, \frac{4}{9}, \frac{11}{9}, \frac{13}{9}$

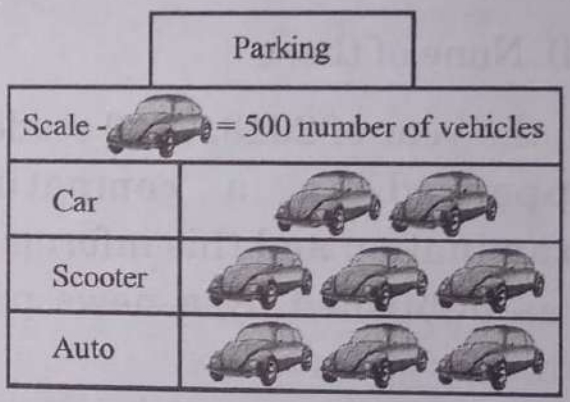
(a) $\frac{13}{9} < \frac{11}{9} < \frac{7}{9} < \frac{4}{9}$

(b) $\frac{13}{9} < \frac{11}{9} > \frac{7}{9} < \frac{4}{9}$

(c) $\frac{13}{9} > \frac{11}{9} > \frac{7}{9} > \frac{4}{9}$

(d) All of these

DIRECTIONS (Q 18 to 20) : At a parking, a board shows the following information.



Now, answer the following questions.

18. What is the number of scooters in the parking place ?

(a) 1500 (b) 1600

(c) 1700 (d) 1800

19. How many cars are parked?

(a) 1500 (b) 500

(c) 1000 (d) 2000

20. Which two vehicles are same in number in the parking place?

(a) Car, Scooter

(b) Car, Auto

(c) Scooter, Auto

(d) None of these

21. In the year of 2013, 2000 students appeared in a competitive examination and this information was published by a news paper which is given below.

Year	Appeared students
2012	1890
2013	2000
2014	1980

How many more students appeared in the year of 2014 than 2012?

(a) 80 (b) 90

(c) 20 (d) 98

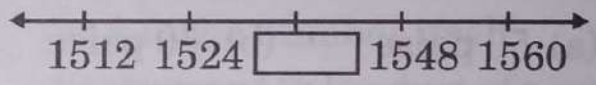
22. Which one of the following is the short form for.

50000 + 4000 + 300 + 20 + 8

(a) 45328 (b) 54328

(c) 50438 (d) None of these

23. Fill in the numbers from the options on the number line given below.



(a) 1536 (b) 1538

(c) 1532 (d) 1530

24. Cody had 1230 green apples and 8270 red apples. If 6783 green and red apples were sold, then how many apples were left ?

(a) 2718 (b) 2717

(c) 2700 (d) 2800

25. A tap dispense 5 litres of water in 1 minute. How much water does the tap dispense in one hour ?

(a) 100 litre (b) 500 litre

(c) 300 litre (d) 200 litre

26. The cost of prepared food of a reputed hotel in the city are as follows:

Rice plate	₹ 230
Green vegetables	₹ 175
Curd	₹ 35
Coffee	₹ 25

Cody placed order for 1 rice plate, 1 plate of green vegetables and 1 cup of curd. How much money did Cody pay ?

(a) ₹ 440 (b) ₹ 467

(c) ₹ 468 (d) ₹ 470

27. The sum of 4-digit largest and 2-digit smallest numbers is

(a) 109 (b) 10009

(c) 1009 (d) 100009

28. In a town the total number of voters are 34765 and the total number of children in the age group of 10 to 14 years are 23451. If the total number of women voters are 25621, find the total number of men voters.

(a) 9100 (b) 9144

(c) 9250 (d) 2502

29. If $3 \times 4 = 12$; $12 \div 4 = ?$

(a) 3 (b) 4

(c) 12 (d) 6

30. The total number of people in a train is 880. These people are travelling in 8 coaches. Find the number of people in each coach.

(a) 110 (b) 111

(c) 112 (d) 109

31. If cost of 1 packet of toffees is ₹ 75.20, then what will be the cost of such 5 packets?

(a) ₹ 367.50 (b) ₹ 376

(c) ₹ 365 (d) ₹ 365.20

32. There are 3960 sheets of paper in bundles. If one bundle contains 18 sheets, then how many bundles are there?
(a) 240 (b) 220
(c) 230 (d) 250

33. The difference between $\frac{3}{4}$ and $\frac{7}{4}$ is
(a) $\frac{2}{4}$ (b) $\frac{1}{4}$
(c) 1 (d) $\frac{10}{4}$

34. The maximum time for the English test paper is 45 minutes. If the test starts at 10:00 a.m. then at what time does it end?
(a) 9 : 40 a.m. (b) 10 : 45 a.m.
(c) 11 : 50 a.m. (d) 11 : 30 a.m.

35. Match the following:

Column-I	Column-II
(A) $\frac{2}{7}+\frac{3}{7}$	(1) $\frac{3}{5}$
(B) $\frac{6}{7}-\frac{2}{7}$	(2) $\frac{1}{2}$
(C) $\frac{9}{10}-\frac{3}{10}$	(3) $\frac{5}{7}$
(D) $\frac{2}{10}+\frac{3}{10}$	(4) $\frac{4}{7}$

	A	B	C	D
(a)	3	1	4	2
(c)	3	4	1	2

	A	B	C	D
(b)	2	4	1	3
(d)	4	1	2	3

MOCK TEST-2

ANSWERS KEY									
1.	(c)	8.	(c)	15.	(a)	22.	(b)	29.	(a)
2.	(b)	9.	(b)	16.	(c)	23.	(a)	30.	(a)
3.	(b)	10.	(a)	17.	(c)	24.	(b)	31.	(b)
4.	(b)	11.	(c)	18.	(a)	25.	(c)	32.	(b)
5.	(c)	12.	(b)	19.	(c)	26.	(a)	33.	(c)
6.	(c)	13.	(b)	20.	(c)	27.	(b)	34.	(b)
7.	(c)	14.	(b)	21.	(b)	28.	(b)	35.	(c)

1. **(c)** Given 8 1 5 6 4

4×1

6×10

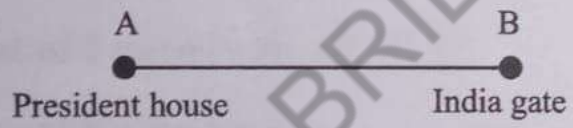
5×100

$1 \times 1{,}000$

$8 \times 10{,}000$

2. **(b)** Expanded form of 648345 = 600,000 + 40,000 + 8,000 + 300 + 40 + 5.

3. **(b)**



The length between two fixed points is called a line segment.

4. **(b)** There are 8 triangles in the figure.

5. **(c)** 65 kg = 65000 g

Difference = 65000 g – 62450 g

= 2550 g

= 2kg 550 g

6. **(c)** 52367mℓ = 52000mℓ + 367mℓ

= 52ℓ 367mℓ

7. **(c)** Greatest five digit number = 99999

Smallest five digit number = 10000

Difference = 99999 – 10000

= 89999

8. **(c)** ∵ Distance covered in one hour = 12 km

∴ Distance covered in 6 hours = $12 \times 6 = 72$ km

9. **(b)** ∵ 1 km = 1000 m

∴ 4 km = $4 \times 1000 = 4000$ m

4 km 5 metre = 4000 + 5 = 4005 m

10. **(a)** A sphere has only one curved face.

11. **(c)** The figure given is a hexagon and it has six vertices.

12. **(b)** 2 is the smallest even number.

13. **(b)** Product of a number by 0 is 0.

14. **(b)** A year has 12 months.

There are 100 cm in 1 metre.

15. **(a)** ∵ The cost of 12 toffees = ₹ 6

= 600 paise

∵ ₹ 1 = 100 paise

∴ The cost of 1 toffee

$= \frac{600}{12} = 50$ paise

16. **(c)** A cube has length, width and height, eight corners and all sides are equal.

17. **(c)** The correct descending order is $\frac{13}{9} > \frac{11}{9} > \frac{7}{9} > \frac{4}{9}$.

(Sol. 18 to 20) :

18. **(a)** Given

 = 500 number of vehicles

number of scooters is parking

$= 3 \times 500 = 1500$

19. **(c)** Number of cars in parking

$= 2 \times 500 = 1000$

20. **(c)** Number of auto in parking

$= 3 \times 500 = 1500$

Thus, number of scooters = Number of auto

21. **(b)** 1980 – 1890 = 90.

22. **(b)** Short form of 50000 + 4000 + 300 + 20 + 8 is 54328

23. **(a)** 1524 + 12 = 1536

24. **(b)** Cody had green apples = 1230

Red apples = 8270

Total number of apples

= 1230 + 8270 = 9500

Apples sold = 6783

Apples left

= 9500 – 6783 = 2717

25. **(c)** ∵ In 1 minute a tap dispense water = 5 litres

∴ In 1 hour (60 minutes) it dispense water = 5 × 60 = 300 litres

26. **(a)** The cost of 1 rice plate = ₹ 230

The cost of 1 plate of green vegetables = ₹ 175

The cost of 1 cup of curd = ₹ 35

Cody paid = ₹ 230 + ₹ 175 + ₹ 35 = ₹ 440

27. **(b)** The largest 4 digit number = 9999

The smallest 2 digit number = 10

The sum of largest 4 digit number and smallest 2 digit number =

$9999 + 10 = 10009$

28. (b) Total number of voters = 34765

Total number of women voters = 25621

Then, total number of men voters

$= 34765 - 25621 = 9144$

29. (a) $12 \div 4 = 3$

30. (a) The total number of people in train = 880

Number of coaches = 8

Number of people in each coach

$= \frac{880}{8} = 110.$

31. (b) ∵ Cost of 1 packet of toffees = ₹75.20

∴ Cost of 5 packets of toffees

$= ₹75.20 \times 5 = ₹376.00$

32. (b) Total sheets of paper in bundles = 3960

Number of sheets in one bundle = 18

Number of bundles

$= 3960 \div 18 = 220$

$$18\overline{)3960}\begin{array}{l}(220\\ -36\\ \hline 36\\ -36\\ \hline 0\end{array}$$

33. (c) Difference $= \frac{7}{4} - \frac{3}{4} = \frac{4}{4} = 1$

34. (b) Maximum time for English test paper = 45 minutes

The test starts at 10 : 00 a.m.

So, the test ends =

Hour	Minute
10	00
+	45
10	45

∴ 10 h 45 min = 10 : 45 a.m.

35. (c) (A) → 3, (B) → 4, (C) → 1, (D) → 2

(A) $\frac{2}{7} + \frac{3}{7} = \frac{2+3}{7} = \frac{5}{7}$

(B) $\frac{6}{7} - \frac{2}{7} = \frac{6-2}{7} = \frac{4}{7}$

(C) $\frac{9}{10} - \frac{3}{10} = \frac{9-3}{10} = \frac{6}{10} = \frac{3}{5}$

(D) $\frac{2}{10} + \frac{3}{10} = \frac{2+3}{10} = \frac{5}{10} = \frac{1}{2}$