



UNICUS OLYMPIADS

Sample Paper

Class 2

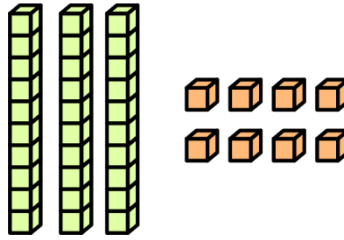
Unicus Mathematics Olympiad (UMO)



| Section | Total Questions | Marks per Questions | Total Marks |
|--------------------|-----------------|---------------------|-------------|
| Classic Section | 30 | 1 | 30 |
| Scholar Section | 5 | 2 | 10 |
| Grand Total | 35 | | 40 |

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5. Which of the following options represents the number correctly?



- a. 3 tens 8 ones
b. 8 tens 3 ones
c. 4 tens 8 ones
d. 8 tens 4 ones

6. What is the ordinal number for the lady with the black hat in the picture from the beginning?



- a. 1st
b. 2nd
c. 6th
d. 7th

7. Rocky wants to buy three magic pens each costing \$45. If he has \$100, then how much more money does he need?

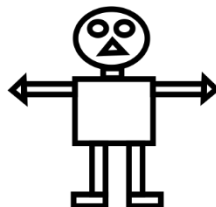
- a. \$25
b. \$35
c. \$40
d. \$45

8. Rony went to the toy store to purchase smart toys. She purchased the items shown in the picture below. What is the difference in the price of the two items?



- a. \$22
b. \$18
c. \$16
d. \$12

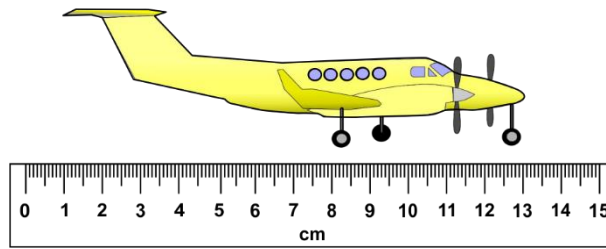
9. Fill in the blank:
There are _____ more circles than triangles in the picture.



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- a. 0
c. 4
- b. 2
d. 5
-

10. Look at the image given below and find the length of the aeroplane:



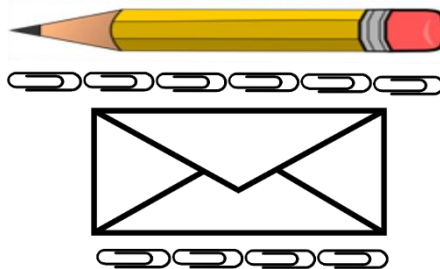
- a. 12 cm
c. 15 cm
- b. 14 cm
d. 16 cm
-

11. The sum of two numbers is 812. If one of them is 468, then what is the other?

- a. 334
c. 344
- b. 338
d. 348
-

12. Fill in the blank:

The pencil is longer than the envelope by _____ clips.



- a. 1
c. 3
- b. 2
d. 4
-

13. In a fridge, there are 5 stacks of chocolate pudding, 8 stacks of brownies, 3 stacks of ice-cream and 5 stacks of pasta. How many stacks of dessert are there in the fridge?

- a. 21
c. 8
- b. 16
d. 11
-

14. Identify the correct number statement for the following:

John found 23 baseballs out of which 5 lost and 7 required pumping. How many baseballs were in usable condition?

- a. $23 + 7 - 5$
c. $23 - 7 + 5$
- b. $23 - 7 - 5$
d. $23 + 7 + 5$
-

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15. There are 5 whiteboards and 3 boxes of 6 markers each being used in a school for grade 1. The principal feels that they need 8 whiteboards and 9 boxes of markers in total for grade 1. How many more whiteboards and marker boxes are needed in the school for grade 1?

- a. 13, 12
c. 2, 4
- b. 3, 3
d. 3, 6
-

16. Which of the following numbers is the least?

- a. 28 tens 4 ones + 2 tens 7 ones
c. 21 tens 9 ones - 4 ones
- b. 36 tens 5 ones - 29 ones
d. 29 tens 2 ones + 3 tens 1 ones
-

17. Sameera invites some guests for dinner at her place at 7:30 p.m. but the guests arrive at 9:00 p.m. How late were the guests?

- a. 1 hour 30 minutes
c. 1 hour 45 minutes
- b. 1 hour 15 minutes
d. 45 minutes
-

18. How many bananas of weight 70 g each would make 350 g?

- a. 3
c. 5
- b. 4
d. 6
-

19. How much longer is a 41 cm book than a 13 cm long pen?

- a. 24 cm
c. 32 cm
- b. 28 cm
d. 36 cm
-

20. A cupboard has 34 fiction books and 47 non-fiction books. What is the total number of books in the cupboard?

- a. 71
c. 81
- b. 76
d. 84
-

21. Identify the correct number statement:

Out of 20 eggs in the fridge, 6 were used to make omlettes, 4 used to make cakes and 3 were boiled. How many eggs were left?

- a. $20 - 6 - 4 - 3$
c. $20 - 6 - 4 + 3$
- b. $20 - 6 + 4 + 3$
d. $20 - 6 + 4 - 3$
-

22. In a race, there are 4 runners with numbers 819, 918, 981 and 198. The runner with the lowest number wins the race. Who won the race?

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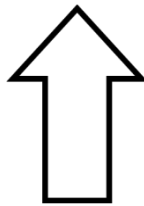
- a. Eight hundred and nineteen
b. Nine hundred and eighteen
c. Nine hundred and eighty-one
d. One hundred and ninety-eight
-

23. Match the following:

| | | | |
|----|-------------------|------|-----------|
| 1. | Wheels of a cycle | i. | Rectangle |
| 2. | A slice of pizza | ii. | Circle |
| 3. | Mobile Phone | iii. | Triangle |

- a. (1) - (i), (2) - (iii), (3) - (ii)
b. (1) - (iii), (2) - (ii), (3) - (i)
c. (1) - (ii), (2) - (i), (3) - (iii)
d. (1) - (ii), (2) - (iii), (3) - (i)
-

24. Which of the following 2D shapes can be used to combine and make the picture shown?



- a. Rectangle and circle
b. Rectangle and triangle
c. Circle and triangle
d. Circle and square
-

25. The total weight of 4 identical toy cars is 800 g. What will be the weight of 6 such toy cars?

- a. 1000 g
b. 1200 g
c. 1400 g
d. 1600 g
-

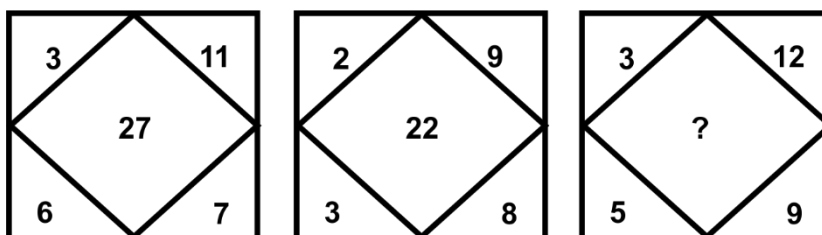
26. A chocolate weighs 75 g. How many such chocolates can be put in a box which can hold a maximum weight of 500 g?

- a. 5
b. 6
c. 7
d. 8
-

27. Which of the following is equal to the number $(23 + 49)$?

- a. $20 + 3 + 4 + 9$
b. $49 + 23$
c. $23 + 4 + 9$
d. $2 + 3 + 4 + 9$
-

28. If the same relationship follows in each square, what will come in place of “?”?



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- a. 21
c. 26
- b. 24
d. 29

29. Fill in the blank:

Subtracting fifty-eight from eighty-one will give result as _____.

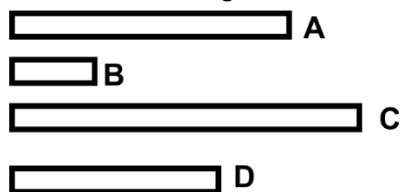
- a. twenty-two
c. twenty-four
- b. twenty-one
d. twenty-three

30. Which of the following shows 110 more than 3 hundreds 14 tens and 5 ones?

- a. 5 hundreds 5 tens 5 ones
c. 5 hundreds 4 tens 4 ones
- b. 5 hundreds 6 tens 5 ones
d. 4 hundreds 4 tens 5 ones

Scholar Section (Each Question is 2 Marks)

31. Arrange these in increasing order of their length



- a. $B < D < A < C$
c. $C < A < D < B$
- b. $B > D > A > C$
d. $C > A > D > B$

32. The cost of a packet of chips is \$35 and 75 cents. How much will Richard have to pay if he buys three such packets of chips?

- a. \$107 and 75 cents
c. \$106 and 75 cents
- b. \$106 and 25 cents
d. \$107 and 25 cents

33. The students of grade 1 were taken to a picnic. They started at 9:00 a.m. in the bus and reached the destination after one and a half hours. They stayed at the picnic spot for 3 hours and again took one and a half hours for their way back to school. At what time did they reach school?

- a. 3:00 a.m.
c. 2:00 a.m.
- b. 3:00 p.m.
d. 2:00 p.m.

34. Match the following:

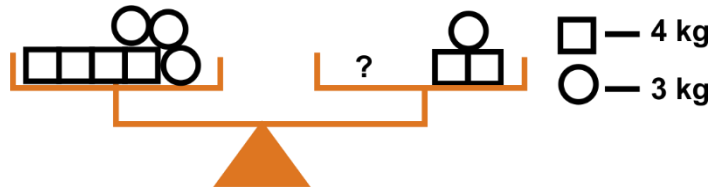
| Column A | | Column B | |
|----------|-------------------------|----------|-----------------------------|
| A. | 1 hundred 2 tens 4 ones | i. | Two hundred and two |
| B. | 24 tens 14 ones | ii. | Two hundred and fifty-four |
| C. | 19 tens 12 ones | iii. | One hundred and twenty-four |

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- a. A- (ii), B- (iii), C- (i)
c. A- (i), B- (ii), C- (iii)

- b. A- (iii), B- (ii), C- (i)
d. A- (iii), B- (i), C- (ii)

35. What should come in place of “?” so that the weighing balance is balanced?



- a. 14 kg
c. 12 kg

- b. 11 kg
d. 17 kg

Answer Key

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