



UNICUS  
OLYMPIADS

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## Sample Paper



**Class 1**

## Unicus Global Math Olympiad (UGMO)

Time: 60 minutes

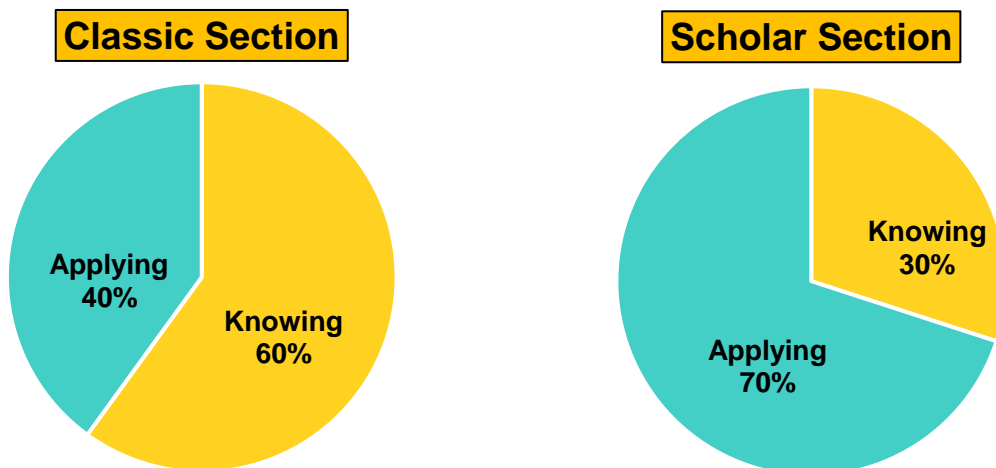
Pattern and Marking Scheme			
Section	Total Questions	Marks per Question	Total Marks
Classic Section	20	1	20
Scholar Section	10	2	20
Grand Total	30		40

## Unicus Global Mathematics Olympiad (UGMO)

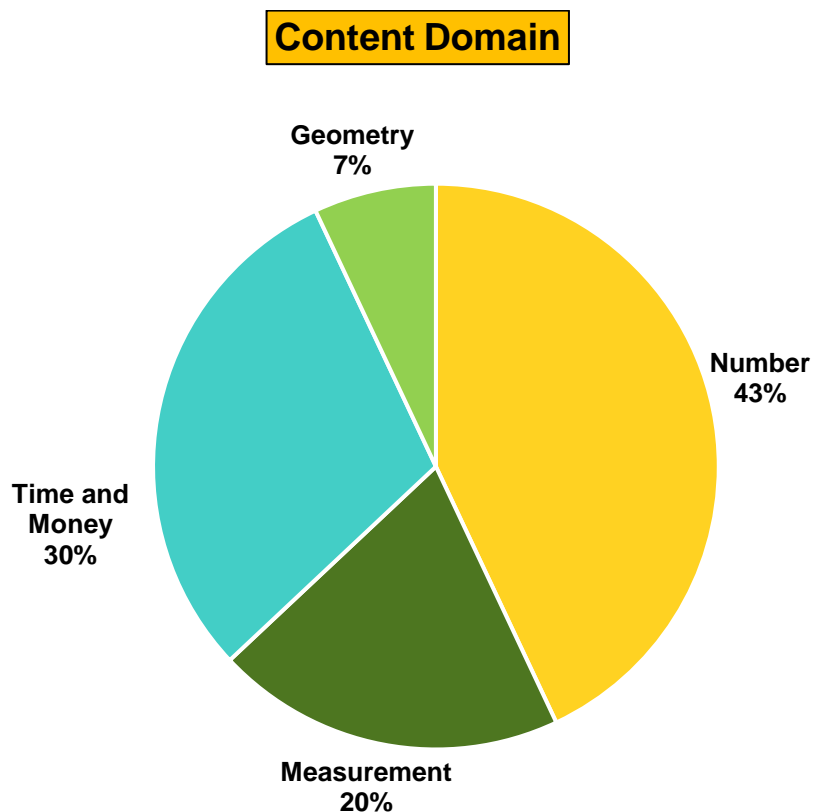
The **Unicus Global Olympiad** is organised around two dimensions:

1. Content dimension, specifying the subject matter domains to be assessed
2. Cognitive dimension, specifying the thinking processes to be assessed

### Target percentages of the question paper devoted to cognitive domains



### Target percentages of the question paper devoted to content domains



For more details, visit <https://www.unicusolympiads.com/>.

## Classic Section (Each Question is 1 Mark)

Cognitive Domain: Knowing	Content Domain: Number
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1. Which of the following shows the correct increasing order of numbers?

- a. **12 < 19 < 21 < 91**
- b. **21 < 91 < 12 < 19**
- c. **12 < 91 < 21 < 19**

Cognitive Domain: Knowing	Content Domain: Number
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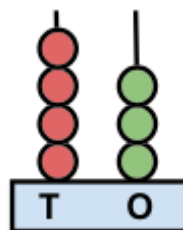
2. Identify the skip counting series.



- a. **Skip counting of 3**
- b. **Skip counting of 4**
- c. **Skip counting of 6**

Cognitive Domain: Applying	Content Domain: Number
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3. What is the number name of the number shown on the abacus?



- a. **Fourteen**
- b. **Thirty-four**
- c. **Forty-three**

Cognitive Domain: Applying

Content Domain: Number

4. What is the number name?



- a. **Thirty-seven**
- b. **Seventeen**
- c. **Twenty-seven**

Cognitive Domain: Applying

Content Domain: Number

5. The jar shown in the picture has 25 candies. If 17 candies are eaten from the jar by children, how many candies will be left in the jar?



- a. **8**
- b. **9**
- c. **18**

Cognitive Domain: Applying

Content Domain: Number

6. George ate 14 and 18 strawberries on Saturday and Sunday respectively. How many strawberries did he eat altogether on the weekend (Saturday and Sunday)?

- a. **22**
- b. **31**
- c. **32**

Cognitive Domain: Applying

Content Domain: Number

7. The given picture shows the number of cupcakes in a bakery. If 12 of these are sold, how many will be left in the bakery?



a. **8**

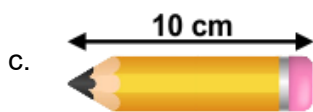
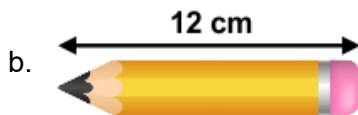
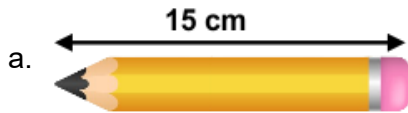
b. **9**

c. **10**

**Cognitive Domain: Knowing**

**Content Domain: Measurement**

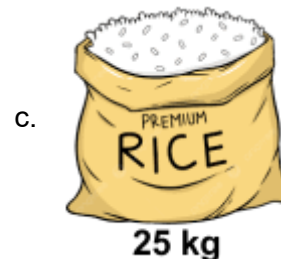
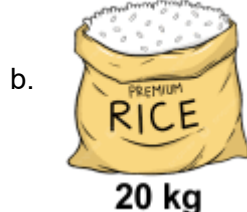
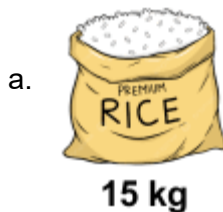
8. Which of the following pencils is the longest?



**Cognitive Domain: Knowing**

**Content Domain: Measurement**

9. Which sack of rice is the heaviest?



**Cognitive Domain: Applying**

**Content Domain: Measurement**

10. Joe jogs for 47 m on Monday and 36 m on Tuesday. What is the total distance he jogged on Monday and Tuesday altogether?

a. **73 m**

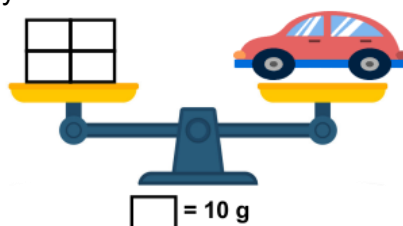
b. **76 m**

c. **83 m**

**Cognitive Domain: Applying**

**Content Domain: Measurement**

11. What is the weight of the toy car?



a. **30 g**

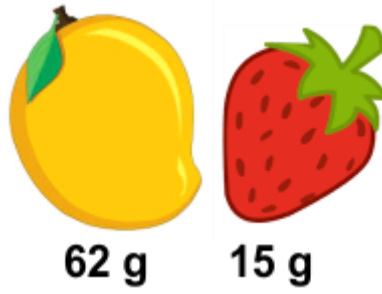
b. **40 g**

c. **50 g**



<b>Cognitive Domain: Applying</b>	<b>Content Domain: Measurement</b>
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12. How much heavier is the mango than the strawberry?



a. **47 g**

b. **54 g**

c. **57 g**

<b>Cognitive Domain: Applying</b>	<b>Content Domain: Time and Money</b>
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13. Patrick's soccer class starts at the time shown on the clock and lasts for an hour. At what time does his class end?



a. **4:00**

b. **5:30**

c. **6:00**

<b>Cognitive Domain: Knowing</b>	<b>Content Domain: Time and Money</b>
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14. Which of the following shows exactly \$25?



Cognitive Domain: Applying

Content Domain: Time and Money

15. What is the total cost of buying the given items?



a. **\$15**

b. **\$16**

c. **\$17**

Cognitive Domain: Applying

Content Domain: Time and Money

16. Peter buys a doll shown in the picture. He pays a \$50 note. How much change will he receive?



a. **\$23**

b. **\$33**

c. **\$43**

Cognitive Domain: Knowing

Content Domain: Geometry

17. What is the shape of the TV?



a. **rectangle**

b. **circle**

c. **triangle**

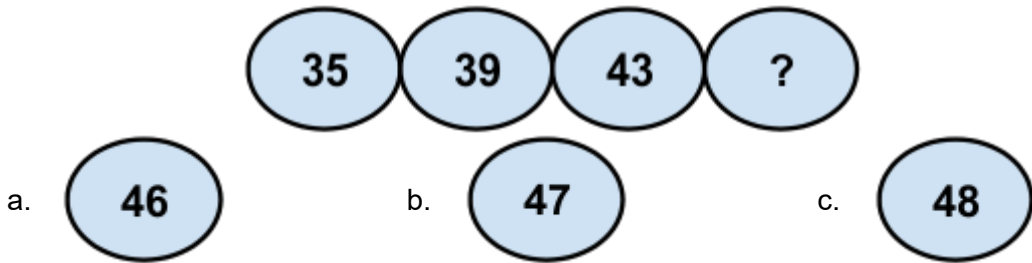
**Cognitive Domain: Knowing** | **Content Domain: Geometry**

18. Which of the following is oval in shape?



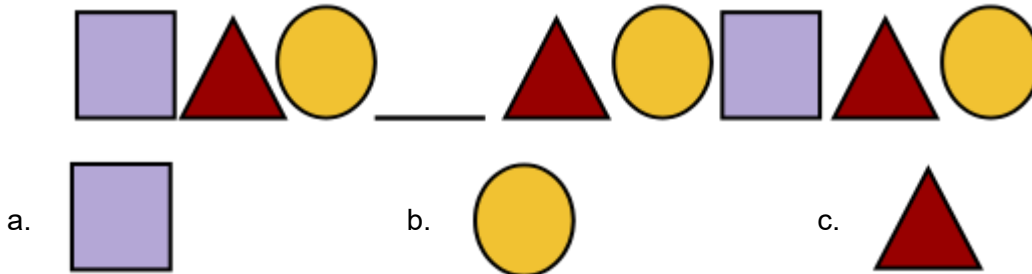
**Cognitive Domain: Applying** | **Content Domain: Number**

19. What will be the next number in the pattern?



**Cognitive Domain: Applying** | **Content Domain: Number**

20. Fill in the blank:



**Scholar Section (Each Question is 2 Marks)**

**Cognitive Domain: Applying** | **Content Domain: Number**

21. What is the place value of the digit 7 in the number seventy-six?





<b>Cognitive Domain: Knowing</b>	<b>Content Domain: Number</b>
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22. What will be the result of the given addition?



- a.
- b.
- c.

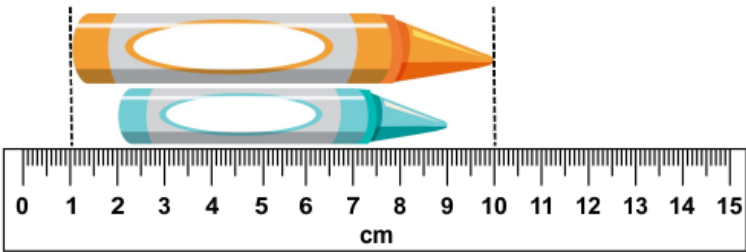
<b>Cognitive Domain: Applying</b>	<b>Content Domain: Number</b>
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23. There are 2 sections A and B in class 1. Sections A and B have 27 and 29 students respectively. How many total students study in class 1?

- a. **46**
- b. **56**
- c. **57**

<b>Cognitive Domain: Applying</b>	<b>Content Domain: Measurement</b>
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24. How much longer is the orange crayon than the blue crayon?



- a. **1 cm**
- b. **2 cm**
- c. **3 cm**

Cognitive Domain: Knowing

Content Domain: Time and Money

25. What is the time shown on the clock?



a. **5:30**

b. **6:00**

c. **6:30**

Cognitive Domain: Applying

Content Domain: Time and Money

26. The train is scheduled to arrive at 10:00 p.m. but is delayed by an hour. At what time does the train arrive?

a. **9:00 p.m.**

b. **11:00 a.m.**

c. **11:00 p.m.**

Cognitive Domain: Applying

Content Domain: Time and Money

27. Peter's school timings are 5 hours. If his school begins at 8:00 a.m., at what time will the school end?

a. **12:00 noon**

b. **1:00 p.m.**

c. **1:00 a.m.**

Cognitive Domain: Knowing

Content Domain: Money

28. Find the sum of the currency notes shown in the picture.



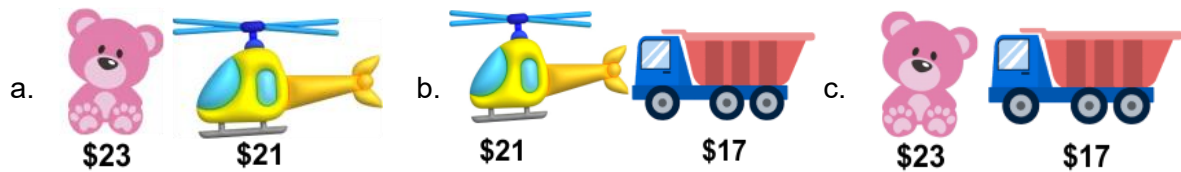
a. **\$70**

b. **\$80**

c. **\$90**

<b>Cognitive Domain: Applying</b>	<b>Content Domain: Time and Money</b>
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29. Which of the following would be least expensive?



<b>Cognitive Domain: Applying</b>	<b>Content Domain: Number</b>
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30. Fill in the blank:

**18, \_\_\_\_, 24, 27**

- |              |              |              |
|--------------|--------------|--------------|
| a. <b>20</b> | b. <b>21</b> | c. <b>22</b> |
|--------------|--------------|--------------|

## Answer Key

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