Sample Paper

Class KG

Unicus Global Mathematics Olympiad (UGMO)

Time: 45 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**

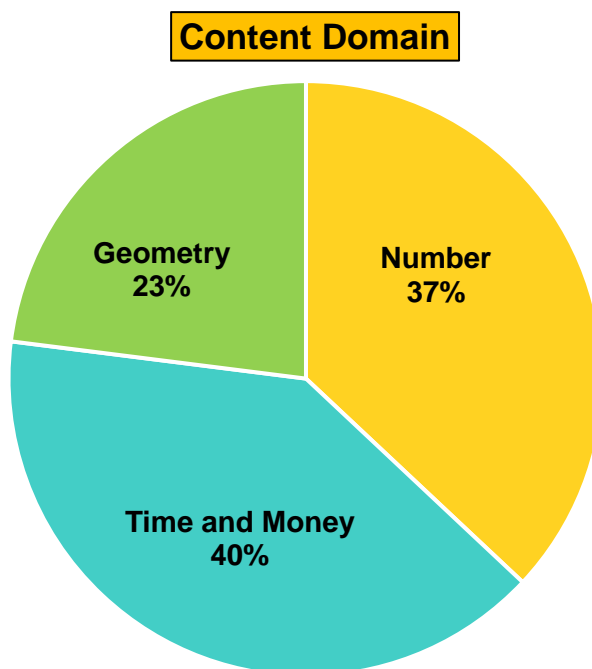**Unicus Global Mathematics Olympiad (UGMO)**

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

Classic Section

Applying
40%

Knowing
60%

Scholar Section

Knowing
30%

Applying
70%
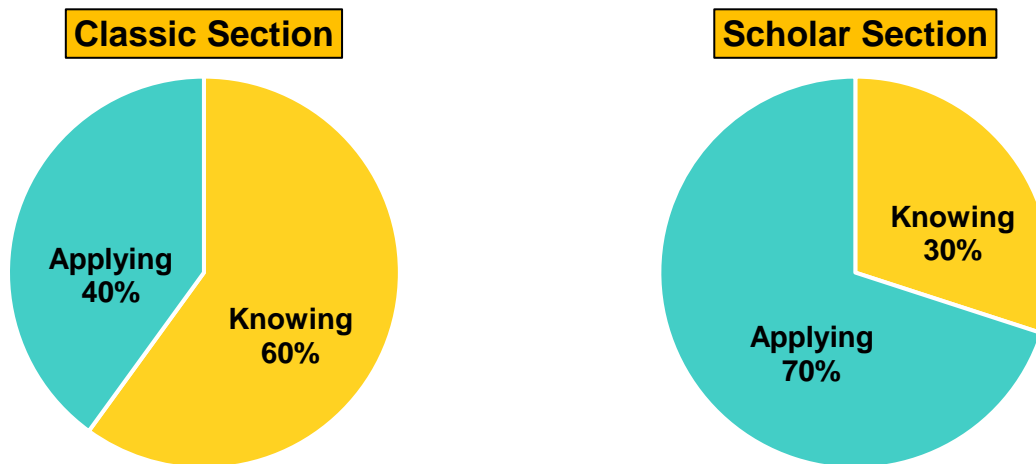
Target percentages of the question paper devoted to content domains

Content Domain

Geometry
23%

Number
37%

Time and Money
40%

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

Classic Section (Each Question is 1 Mark)

Cognitive Domain: Knowing	Content Domain: Number

1. Fill in the blank:
There are ___ balloons in the given picture.

a. **fifteen**   b. **sixteen**   c. **seventeen**

Cognitive Domain: Knowing	Content Domain: Number

2. Which street will come just before the street number mentioned on the road sign?
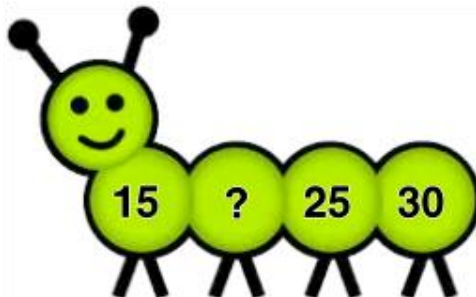
Street No. 20

a. **19**   b. **20**   c. **21**

Cognitive Domain: Knowing	Content Domain: Number

3. What is the missing number on the caterpillar?

15 ? 25 30

a. **17**   b. **20**   c. **22**

Cognitive Domain: Applying	Content Domain: Number

4. What will be the number name of the numeral that comes just after the number shown by the given chick?

a. **sixteen**   b. **seventeen**   c. **eighteen**

Cognitive Domain: Applying	Content Domain: Number

5. Which of the following shows step counting of 3

a. 23 25 27   b. 23 24 26   c. 23 26 29

Cognitive Domain: Knowing	Content Domain: Number

6. Choose the correct sign.

2 ◯ 7

a. >   b. <   c. =

Cognitive Domain: Applying	Content Domain: Number

7. How many apples will be left?

a. **2**   b. **3**   c. **4**

Cognitive Domain: Applying	Content Domain: Number

8. Compare the number of balls in the two boxes and choose the sign that should come in the middlebox.

a. **>**   b. **<**   c. **=**

Cognitive Domain: Knowing	Content Domain: Time and Money

9. How many days are there in a week?

a. **7**   b. **12**   c. **24**

Cognitive Domain: Knowing	Content Domain: Time and Money

10. What is the time shown on the clock?

a. **6 o'clock**   b. **12 o'clock**   c. **12:30**

Cognitive Domain: Applying	Content Domain: Time and Money

11. Which is the next month?

This Month	Next Month
September	?

a. **August**   b. **November**   c. **October**

Unicus Global Mathematics Olympiad (UGMO)

Cognitive Domain: Applying	Content Domain: Time and Money

12. Today is Sunday. What day was yesterday?

Sunday

a. **Wednesday** b. **Saturday** c. **Monday**

Cognitive Domain: Knowing	Content Domain: Geometry

13. What is the shape of the given pizza?

a. **Circle** b. **Triangle** c. **Square**

Cognitive Domain: Knowing	Content Domain: Geometry

14. Which of the following is NOT matched correctly with its name?

a. **Sphere** b. **Cube** c. **Star**

Cognitive Domain: Knowing	Content Domain: Time and Money

15. What is the total amount of money shown in the picture?

a. **2¢** b. **4¢** c. **20¢**

Unicus Global Mathematics Olympiad (UGMO)

Cognitive Domain: Applying	Content Domain: Time and Money

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

a. **$20**　　　　b. **$30**　　　　c. **$40**

Cognitive Domain: Applying	Content Domain: Time and Money

17. What is the amount of money shown here?

a. **$10**　　　　b. **$15**　　　　c. **$20**

Cognitive Domain: Knowing	Content Domain: Geometry

18. Which log of wood is the longest?

a.

b.

c.

Unicus Global Mathematics Olympiad (UGMO)

Cognitive Domain: Knowing	Content Domain: Geometry

19. Which tree is the tallest?

a.　　　　　　　b.　　　　　　　c.
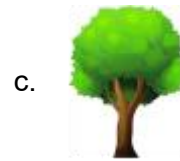
Cognitive Domain: Knowing	Content Domain: Geometry

20. Which of the following is lightest?

a.　　　　　　　b.　　　　　　　c.

Scholar Section (Each Question is 2 Marks)

Cognitive Domain: Applying	Content Domain: Number

21. What is the number name of the total number of flower petals in the given picture?
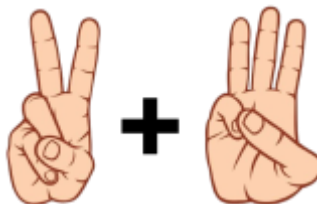
a. **eighteen**　　　b. **twenty-four**　　　c. **thirty**

Cognitive Domain: Knowing	Content Domain: Number

22. What is the result of the given addition?

$$+$$

a. **4**　　　　　　b. **5**　　　　　　c. **6**

Cognitive Domain: Applying	Content Domain: Number

23. James got 3 gifts. How many more gifts must he get so that the total number of gifts with him is 8?

a. **3**   b. **4**   c. **5**

| Cognitive Domain: Applying | Content Domain: Time and Money |

24. What was the time an hour ago?

a. **3 o'clock**   b. **4 o'clock**   c. **5 o'clock**

| Cognitive Domain: Applying | Content Domain: Time and Money |

25. What is the fifth month of the year?

a. **May**   b. **June**   c. **April**

| Cognitive Domain: Knowing | Content Domain: Geometry |

26. Which of the following shows the shape matched correctly with its name?

a. **Circle**   b. **Triangle**   c. **Rectangle**

Cognitive Domain: Knowing	Content Domain: Environmental Sciences

27. What is the total amount of money shown in the picture?

a. **$12**　　　b. **$13**　　　c. **$14**

Cognitive Domain: Applying	Content Domain: Time and Money

28. Which of the following shows the greatest amount of money?

a.

b.

c.

Cognitive Domain: Applying	Content Domain: Time and Money

29. Which of the following shows exactly 20¢?

a.

b.

c.

Cognitive Domain: Applying	Content Domain: Geometry

30. Which statement is NOT correct?

A   B   C
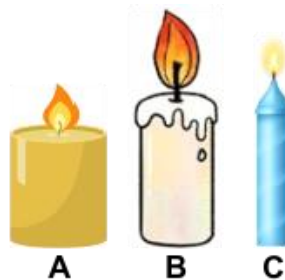
a. **Candle C is narrower than B.**

b. **Candle A is wider than C.**

c. **Candle B is wider than A.**

Answer Key

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