UNICUS OLYMPIADS

Sample Paper

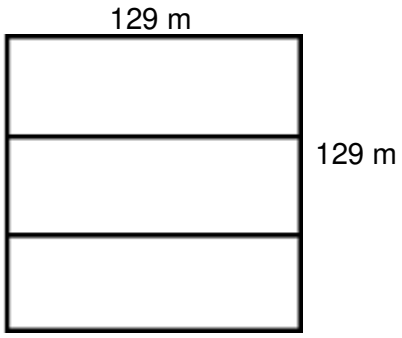
(2020-21)

Class 6

Unicus Mathematics Olympiad

Section – Class* *Syllabus covered	Total Questions	Marks per Questions	Total Questions
Classic Section – Class 5	28	1	28
Classic Section – Class 4	12	1	12
Scholar Section – Class 5	7	2	14
Scholar Section – Class 4	3	2	6
Grand Total	**50**		**60**

1. A square field with each side measuring 129 m was divided among 3 brothers equally as shown in the given figure. Find the perimeter of each part:



a) 516 m
b) 344 m
c) 172 m
d) 240 m

Correct Answer: b *1 Mark*

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2. Aman, Anna and Tina are participating in the school race. Anna completes a lap in 2 minutes 35 seconds, Aman completes a lap in 4 minutes and Tina completes a lap in 1 minute and 30 seconds. If they all started at the same time, then after how long will they meet again?

a) 372 minutes
b) 360 minutes
c) 420 minutes
d) 590 minutes

Correct Answer: a *1 Mark*

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3. Sachin needs 1.54 m of cloth for a shirt and 2.95 m for a pant for a safari suit. His uncle gifted a piece of cloth to him. But the cloth fell short by 0.95 m. What was the length of the cloth gifted by his uncle?

a) 5.44 m
b) 4.49 m
c) 3.54 m
d) 2.94 m

Correct Answer: c *1 Mark*

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4. Which of the following options is true?

a) (6/6) + 2 = 3
b) 8 – 3 x 4 = 20
c) Both a and b
d) None of the above

Correct Answer: a *1 Mark*

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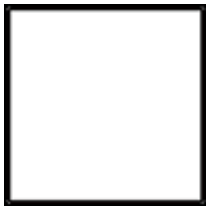
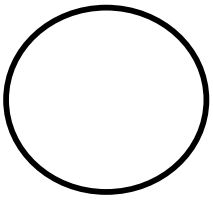
5. Which of the following figure have only one line of symmetry?

a) 

b)

c) 

d)

Correct Answer: d *1 Mark*

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6. Ravi bought a packet of biscuit for Rs. 24. It contained 10 biscuits. How much money would he have to pay for 30 biscuits?

a) Rs. 112
b) Rs. 92
c) Rs. 72
d) Rs. 64

Correct Answer: c *1 Mark*

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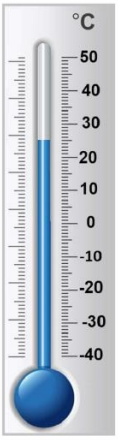
7. Rimmi jogged $2\frac{3}{5}$ km of a track on Saturday and $3\frac{1}{4}$ km on Sunday. If the total track is 10 km, then how much km of track remains to be jogged to complete one round?

a) $6\frac{5}{10}$ km
b) $5\frac{17}{20}$ km
c) $3\frac{9}{10}$ km
d) $4\frac{3}{20}$ km

Correct Answer: d *1 Mark*

8. On Monday, Amar recorded the temperature as shown in the image given below. On Tuesday, it increased by 7°C in morning and decreased by 2°C in the evening. Next day it increased by 13°C in the morning and decreased by 9°C in the afternoon. What was the temperature on Wednesday in the afternoon?



a) 34°C
b) 93.2°F
c) Both a and b
d) None of the above

Correct Answer: c *1 Mark*

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9. Look at the following statements carefully. Which of the following is not true?

a) MM is a symbol for 2000 in Roman numeral.
b) In Roman numeral X is written left to the L for 60.
c) Only symbols I, V, X are used to write first 10 Roman numeral.
d) Roman numeral system does not include 0.

Correct Answer: b *2 Marks*

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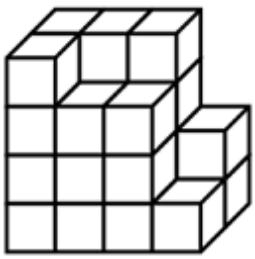
10. Find the volume of the given shape, if each cube has an edge of 9 cm:



a) 74,160 cm^3
b) 17,230 cm^3
c) 18,225 cm^3
d) 29,844 cm^3

Correct Answer: c *2 Marks*