



Sample Paper



Class 3 Unicus Global Math Olympiad (UGMO)

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Time: 60 minutes

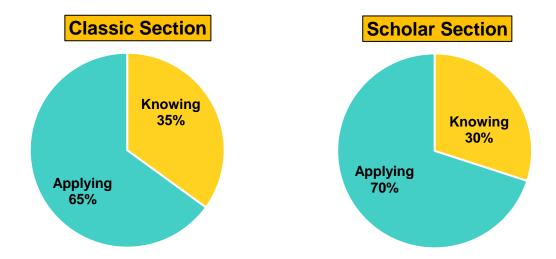
Pattern and Marking Scheme									
Section	Total Questions	Marks per Question	Total Marks						
Classic Section	20	1	20						
Scholar Section	10	2	20						
Grand Total	30		40						

Unicus Global Mathematics Olympiad (UGMO)

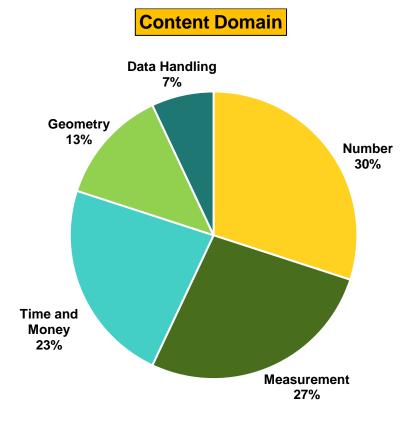
The Unicus Global Olympiad is organised around two dimensions:

- 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

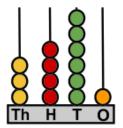
Content Domain: Number

- 1. Which of the following shows the correct ascending order of numbers?
 - a. 2164 > 2017 > 1024 > 1009
 - b. 2164 < 2017 < 1024 < 1009
 - c. 2017 > 2164 > 1024 > 1009
 - d. 2164 > 2017 > 1009 > 1024

Cognitive Domain: Applying

Content Domain: Number

2. What is the number name of the predecessor of the number shown in the abacus?

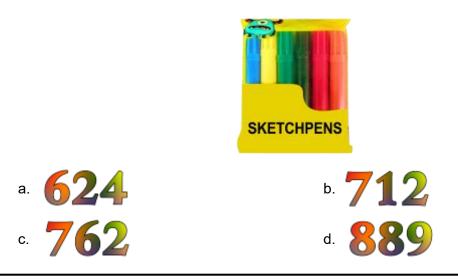


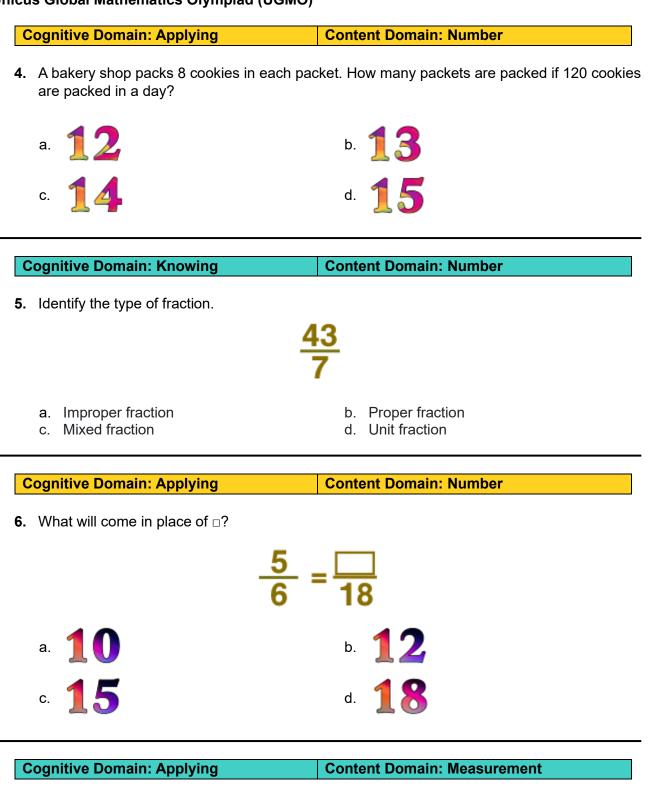
- a. Three thousand four hundred and sixty
- b. Three thousand four hundred and sixty-one
- c. Three thousand four hundred and seventy
- d. Three thousand four hundred and seventy-one

Cognitive Domain: Applying

Content Domain: Number

3. How many sketch pens will be there in 127 such similar packets?

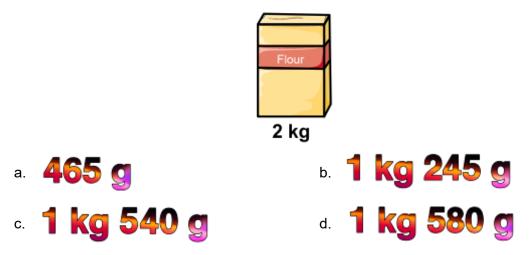




- 7. The length of an insect is 171 mm. What will be the total length of 3 such insects?
 - a. 513 cmb. 5 cm 13 mmc. 51 cm 3 mmd. 50 cm 13 mm

Cognitive Domain: Applying Content Domain: Measurement
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8. From the flour packet, the chef uses 275 g of flour to bake cake and 185 g of flour to bake cookies. How much amount of flour will be left?



Cognitive Domain: Knowing

Content Domain: Measurement

15 L 635 mL

L 635

9. A 20 L bucket is completely filled with water. If a child plays and spills 4 L 365 mL of water from the bucket, how much water is left in the bucket?

b.

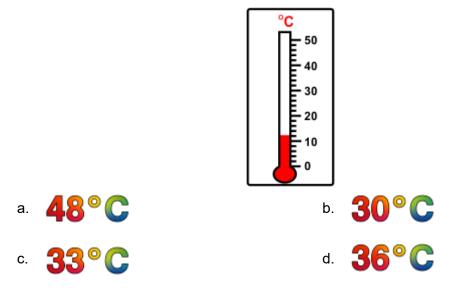
d.

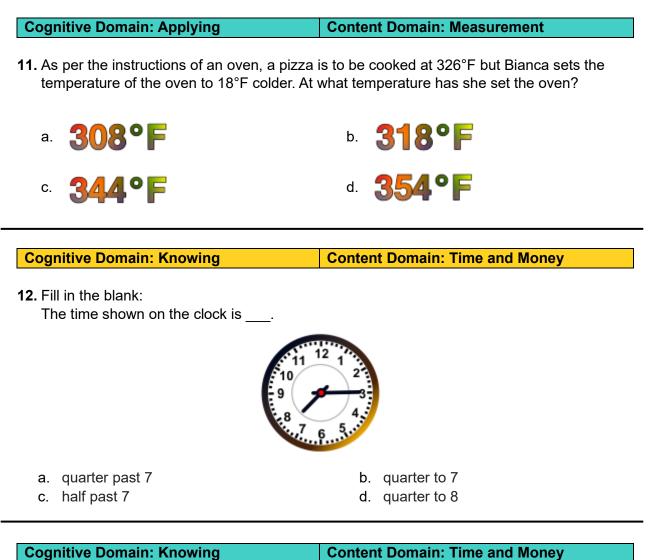
^{a.} 15 L 365 mL ^{c.} 15 L 645 mL

Cognitive Domain: Applying

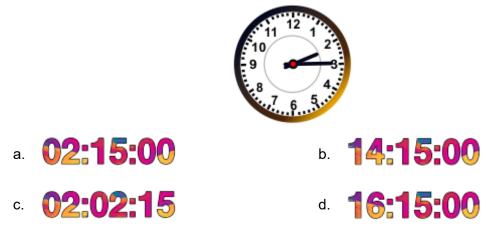
Content Domain: Measurement

10. The thermometer given shows the temperature of city A. The temperature of city B is three times the temperature of city A. What is the temperature of city B?





13. Sara eats her lunch at the time shown on the clock. Which of the following options gives the correct time in 24-hour format?



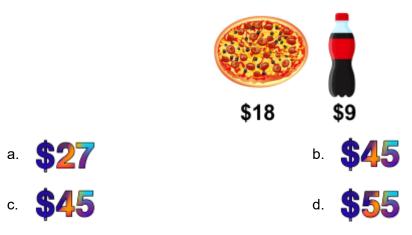
Cognitive Domain: Applying

Content Domain: Time and Money

- **14.** An oven bakes a cake in 45 minutes. If 3 cakes were baked in the oven, how much time was taken to bake the three cakes?
 - a. 1 hour 45 minutes
 - ^{b.} 2 hours
 - a 2 hours 15 minutes
 - d. 2 hours 30 minutes

Cognitive Domain: Applying	Content Domain: Time and Money

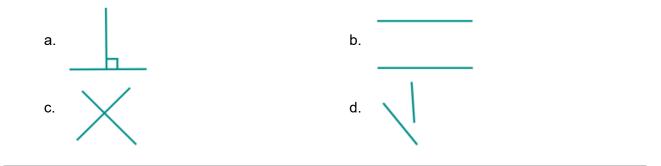
15. A family bought 2 similar-sized pizzas and a bottle of coke. If they paid \$100 at the counter, what change will be received?

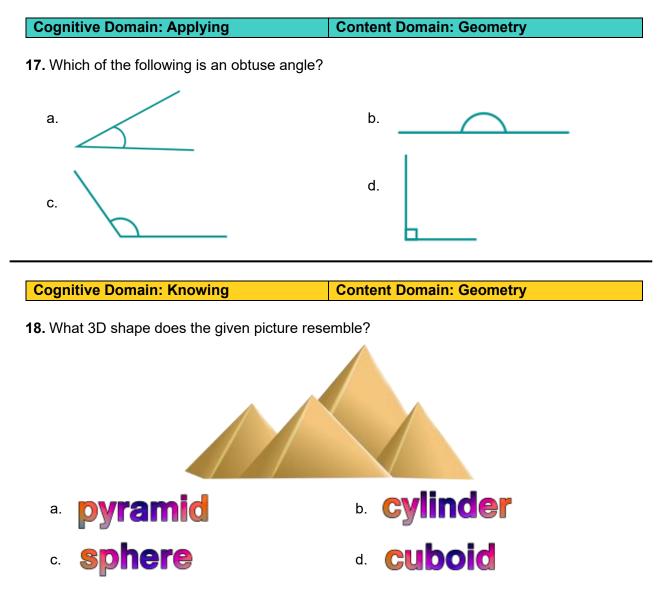


Cognitive Domain: Knowing

Content Domain: Geometry

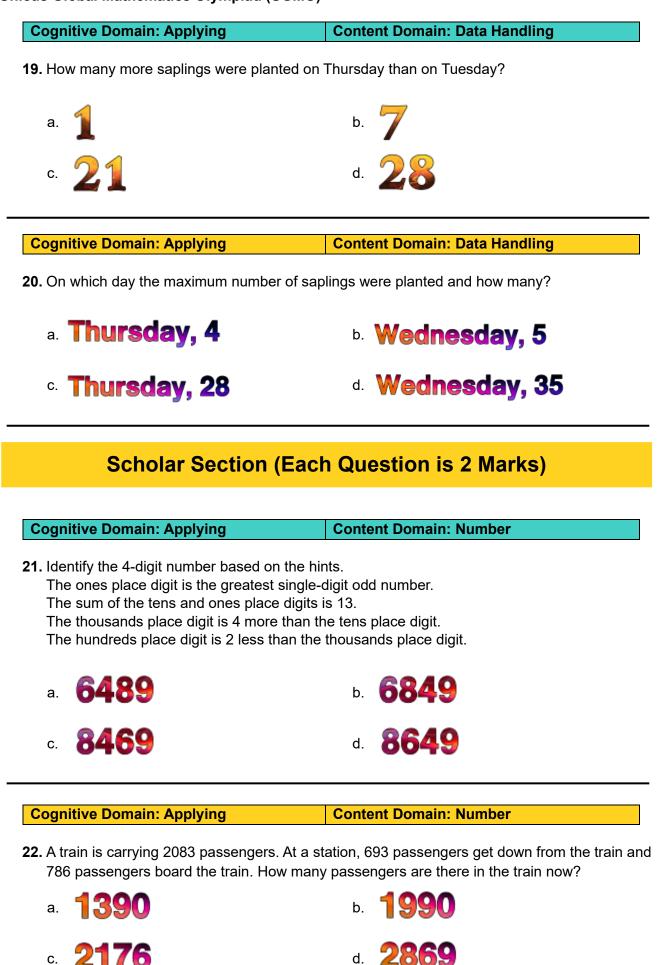
16. Which of the following shows a pair of perpendicular lines?

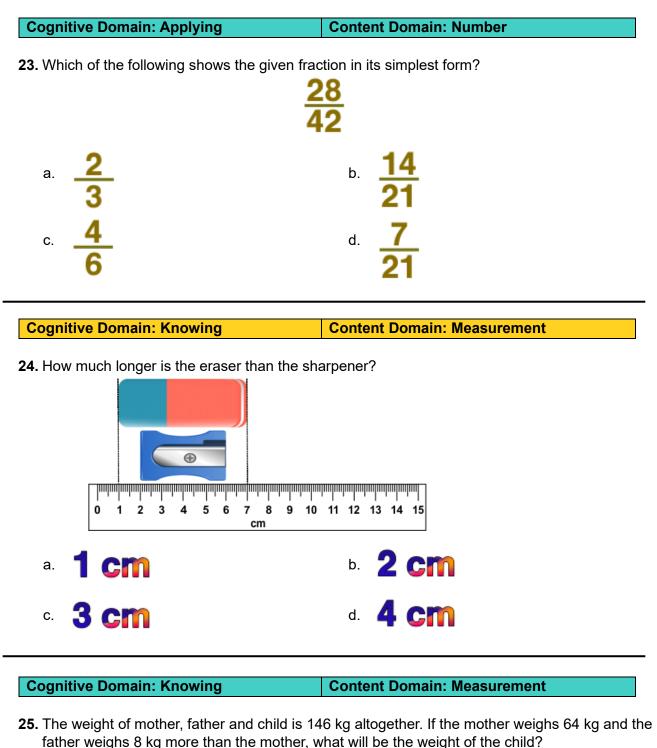




Directions (19-20): Study the given pictograph and answer the following questions: The given pictograph shows the number of saplings planted from Monday to Thursday.

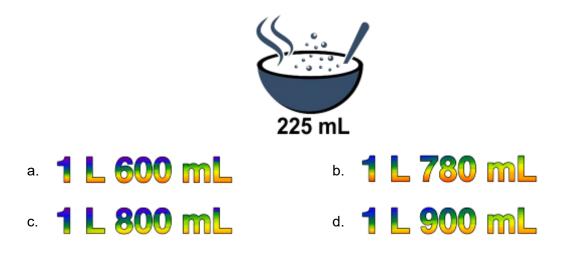
Monday	¥¥					
Tuesday	$\tilde{\mathbf{X}}$					
Wednesday	$\mathbf{\tilde{\mathbf{x}}}$					
Thursday	$$ $$ $$ $$ $$ $$ $$					
Each 🎽 = 7 saplings						







- Cognitive Domain: Applying
 Content Domain: Measurement
- **26.** Soups are served in bowls as shown in a restaurant. If the chef receives an order to prepare 8 bowls of soup, how much amount of soup will he prepare?



Cognitive Domain: Applying

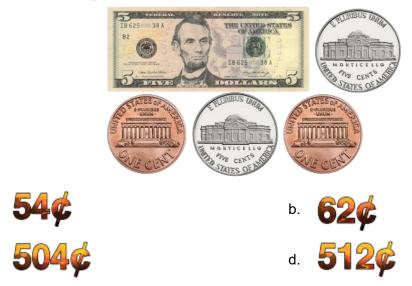
Content Domain: Time and Money

- **27.** Lisa started shopping at 5:20 p.m. and finished her shopping by 7:45 p.m. For what duration did she do shopping?
 - a. 1 hour 55 minutes
 - **b. 2 hours 5 minutes**
 - c. 2 hours 15 minutes
 - d. 2 hours 25 minutes

Cognitive Domain: Knowing

Content Domain: Time and Money

28. How much money is shown here?



a.

c.

Cognitive Domain: Applying

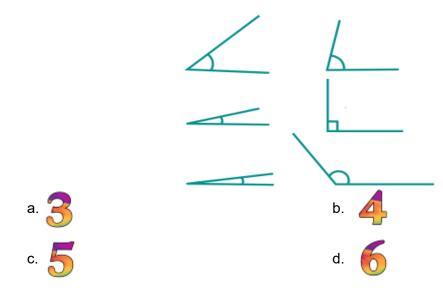
Content Domain: Time and Money

29. What is the total amount required to purchase 16 bags of chips and 14 packages of biscuits?

		Potato Chips	Choco W	Moments moments managements
		\$3	\$6	
a.	\$48		b.	\$84
C.	\$122		d.	\$132

Cognitive Domain: Applying Content Domain: Geometry		
	Cognitive Domain: Applying	Content Domain: Geometry

30. How many angles are acute angles?



Answer Key

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