GRADE I – SYNERGY MATHS OLYMPIAD

SYLLABUS & QUESTION BLUEPRINT

TOTAL QUESTIONS: 40	SECTIONS: 4	QUESTIONS PER SECTION: 10

SYLLABUS & QUESTION BLUEPRINT

SECTION	FOCUS AREA	TOPICS	QUESTIONS
A	Basic Mathematical Skills	Numbers; Addition; Subtraction; Measurement; Money	10
B	Time, Shapes & Patterns	Time; Calendar; Geometrical Shapes; Patterns; Spatial Understanding	10
C	Mathematical Reasoning	Odd One Out; Analogy; Ranking Test; Figure-based Problems; Data Handling & Pictographs	10
D	Brain Teasers and Synergy Challenge	Mixed Problems; Length/Weight/Capacity; Money; Time; Figures; Shapes & Patterns	10

RECOMMENDED DIFFICULTY LEVEL

SECTION	DIFFICULTY	PURPOSE
A	Easy–Moderate	Fundamental mathematical concepts
B	Easy–Moderate	Visual and everyday mathematics
C	Moderate	Logical and analytical thinking
D	Moderate–Challenging	Olympiad/application-based thinking

SYNERGY MATHS OLYMPIAD

Grade 1 — Practice Sample Questions & Synergy Challenge

6 Sample Questions | Picture-Based Problems | Includes Synergy Challenge

PART A: STANDARD PRACTICE QUESTIONS

Q1. **Aarav has 14 blue marbles. His sister gives him 8 more marbles. How many marbles does Aarav have in total?**

(A) 20
(B) 22
(C) 24
(D) 18

Q2. **Which of the following numbers is GREATER than 45 but LESS than 52?**

(A) 42
(B) 55
(C) 49
(D) 53

Q3. **Identify the ODD ONE OUT among the shapes listed below:**

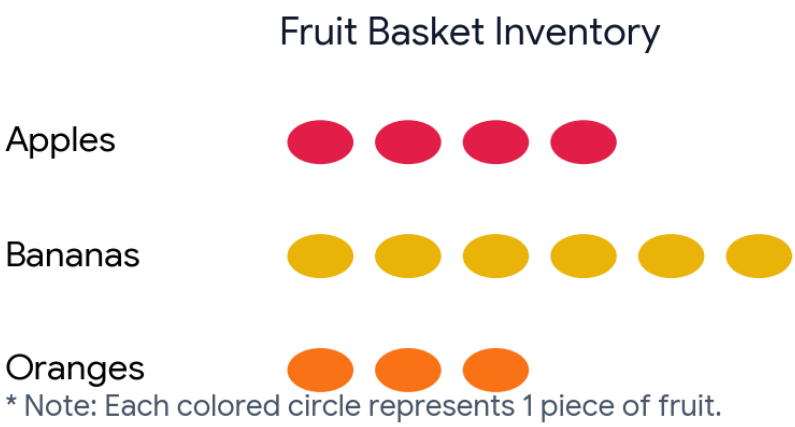
(A) Square (4 straight sides)
(B) Rectangle (4 straight sides)
(C) Circle (0 straight sides)
(D) Triangle (3 straight sides)

Q4. **If yesterday was Tuesday, what day will TOMORROW be?**

(A) Wednesday
(B) Thursday
(C) Friday
(D) Monday

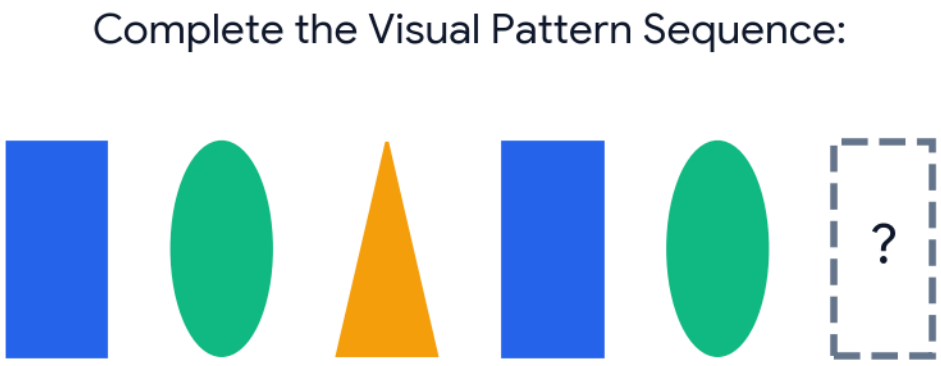
PART B: PICTURE-BASED QUESTIONS

Q5. **Look at the fruit chart below. How many MORE bananas are there than apples?**



(A) 1
(B) 2
(C) 3
(D) 4

Q6. **Study the repeating visual pattern below. Which shape belongs in the box marked with '?'**



(A) Blue Square
(B) Green Circle
(C) Orange Triangle
(D) Red Star

PART C: SYNERGY CHALLENGE (HOTS)

🔥 SYNERGY CHALLENGE:

Diya has two magic number boxes.
• Box A gives a number that is **5 MORE than 15**.
• Box B gives a number that is **3 LESS than 25**.
Diya adds the numbers from Box A and Box B together. What is her final total?

(A) 42
(B) 40
(C) 38
(D) 44

Answer Key & Quick Explanations

Q1: (B) 22 — [14 + 8 = 22]
Q2: (C) 49 — [45 < 49 < 52]
Q3: (C) Circle — [Only shape without straight lines]
Q4: (B) Thursday — [Yesterday = Tue, Today = Wed, Tomorrow = Thu]
Q5: (B) 2 — [Bananas = 6, Apples = 4; 6 - 4 = 2]
Q6: (C) Orange Triangle — [Pattern: Square, Circle, Triangle]

Synergy Challenge: (A) 42 — [Box A = 15 + 5 = 20; Box B = 25 - 3 = 22; Total = 20 + 22 = 42]