

# SCO INTERNATIONAL OLYMPIAD

## GRADE 3 SAMPLE PAPER

SCO International Mental Ability Olympiad - Sample Paper with Answer Key

**Designed from Grade 3 mental ability sample pathways and aligned with SCO practice, reporting.**

- age-fit sample paper for Grade 3 learners globally
- visual reasoning, patterns, figures, ranking, direction sense, coding, and classification practice
- complete answer key and explanations for school, parent, and student review

Maths	English	Science	Mental Ability	Finance Knowledge
AI	Entrepreneurship	GK	Coding	Life Skills

## SCO International Mental Ability Olympiad - Class 3 Sample Paper

### Sample Paper Information

Field	Details
Exam Name	SCO International Mental Ability Olympiad
Class / Grade	Class 3
Sample Source Year	2024-25
Total Questions	35
Time	60 minutes
Maximum Marks	40

### Guidelines for Candidates

- Read each question carefully before choosing the answer.
- There is only ONE correct answer for each question.
- Use reasoning, observation, pattern recognition, and direction logic to solve the questions.
- Calculator is not required for this paper.
- All questions are compulsory. There is no negative marking.
- The Achievers Section carries 2 marks per question; all other questions carry 1 mark each.
- Total Questions: 35 | Maximum Marks: 40 | Time: 60 minutes.

## General Reasoning - Questions 1 to 20

**Q1.** In a certain code language, if ALOUETTE is coded using an arranged-letter rule, how is the word ADVENTURE coded?

**Options:**

- A) AEEUDNRTV
- B) ADEENRTUV
- C) AEUEDNTVR
- D) AEUEDVNTR

**Q2.** Choose the odd one out.

**Options:**

- A) Tonnes
- B) Kilometres
- C) Grams
- D) Kilograms

**Q3.** Choose the odd one out.

**Options:**

- A) Car
- B) Cycle
- C) Helicopter
- D) Aeroplane

**Q4.** Form the word using the letters R I D Y A F and find the category to which it belongs.

**Options:**

- A) Name of day
- B) Name of month
- C) Name of fruit
- D) Name of animal

**Q5.** If the alphabet is written backwards, which letter is in the 25th position?

**Options:**

- A) Z
- B) Y
- C) A
- D) B

**Q6.** Form the word using the letters U L T S O and find the category to which it belongs.

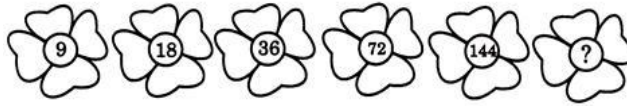
**Options:**

- A) Flower
- B) Fruit
- C) Vegetable
- D) Body part

**Q7.** Find the missing number in the flower number pattern.




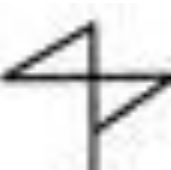
**Options:**

- A) 244
- B) 286
- C) 288
- D) 388



**Q8.** Complete the visual pattern shown below.



- A) 
- B) 
- C) 
- D) 

**Q9.** Find which of the following does not follow the pattern.

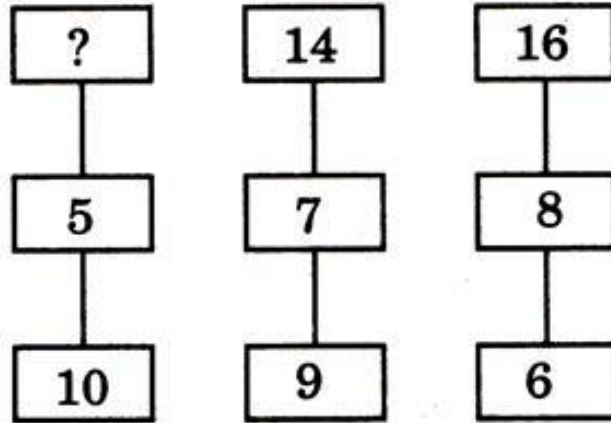
**Options:**

- A)  $20 + 2 = 22$
- B)  $22 + 2 = 24$
- C)  $24 + 2 = 26$
- D)  $26 - 2 = 24$


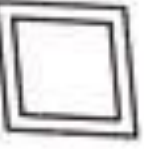


**Q10.** Choose the correct option to complete the number pattern shown.

**Options:**

- A) 12
- B) 20
- C) 18
- D) 15



**Q11.** Find the odd one out from the given figures.

- A) 
- B) 
- C) 
- D) 

**Q12.** Which option shows the same kind of alternating pattern as the given figure?

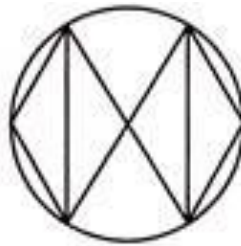


- A) ↑ → ↑ → ↑ →
- B) ↑ ↓ ↓ ↑ ↑ ↓
- C) ↑ → ↓ ← ↑ →
- D) ↑ → ↓ → ↑ →

**Q13.** Which of the following alphabets is not hidden in the given figure?

**Options:**

- A) X
- B) V
- C) W
- D) K



**Q14.** Which of the following is different from the other?

**Options:**

- A) River
- B) Pond
- C) Lake
- D) Rain

**Q15.** Complete the number series: 21, 29, 37, 45, ?

**Options:**

- A) 59
- B) 27
- C) 53
- D) 61

**Q16.** If the day before yesterday was Saturday, then the day after tomorrow will be \_\_\_\_\_.

**Options:**

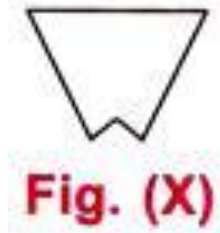
- A) Tuesday
- B) Wednesday
- C) Friday
- D) Wednesday


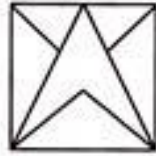
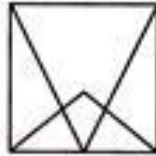
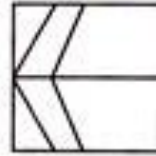
**Q17.** Find the missing number in the series: 124, 105, 85, 65, 45, ?

**Options:**

- A) 44
- B) 35
- C) 25
- D) 55

**Q18.** Find the option with Fig. (X) embedded.



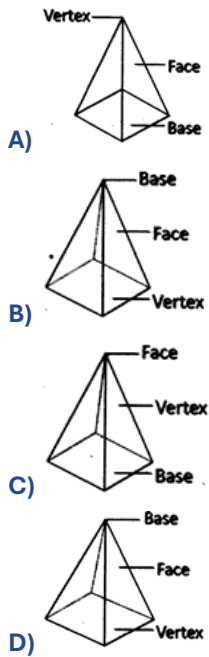
- A) 
- B) 
- C) 
- D) 

**Q19.** Solid shapes are three-dimensional because \_\_\_\_\_.

**Options:**

- A) They have length, breadth, and height
- B) They can be viewed from all sides
- C) They have volume or capacity to hold things
- D) All the above

**Q20.** Which of the following is correctly labelled?



## Case Study and Applied Reasoning - Questions 21 to 30

**Q21.** What should be added to 650 ml to get one litre?

**Options:**

- A) 260 ml
- B) 320 ml
- C) 360 ml
- D) 350 ml

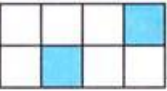
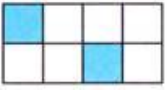
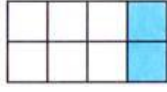
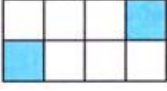
**Q22.** Which one among the following is not a unit of measurement for weight?

**Options:**

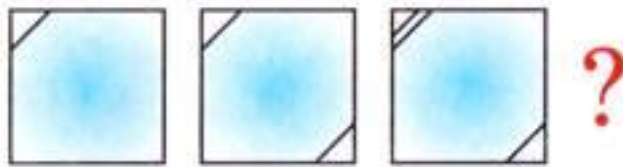
- A) milligram
- B) litre
- C) gram
- D) hologram





**Q23.** Study the blue-square pattern and choose the correct next figure.



- A) 
- B) 
- C) 
- D) 

**Q24.** Choose the correct option to complete the corner-marking pattern.

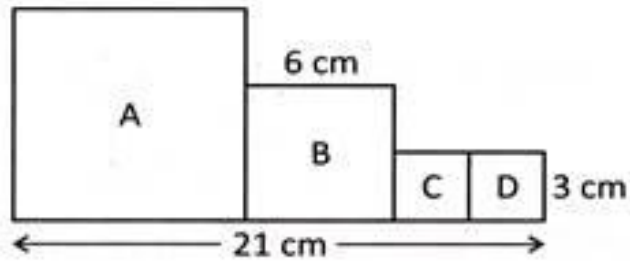


- A) 
- B) 
- C) 
- D) 

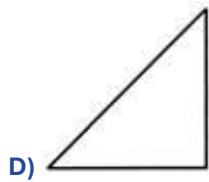
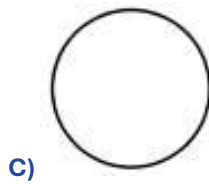
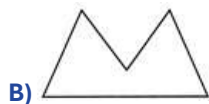
**Q25.** Find the perimeter of the figure.

**Options:**

- A) 47 cm
- B) 54 cm
- C) 60 cm
- D) 58 cm



**Q26.** Find the shape that does not have a corner.



**Q27.** Using the letters E P O R, find the number of meaningful words.

**Options:**

- A) One
- B) Two
- C) Three
- D) Four

**Q28.** Which category will the word formed from the letters U L T S O belong to?

**Options:**

- A) Flower
- B) Fruit
- C) Vegetable
- D) Vehicle

**Q29.** Four children A, B, C, and D are standing in a line. C is to the right of D and to the left of

B) A is at the extreme left. Who is in the 1st place from left?

**Options:**

- A) A
- B) B
- C) C
- D) D

**Q30.** Study the age-order information: A is older than B; B is older than C; C is older than D; E is the youngest; F is the eldest. Who is the eldest in the group?

**Options:**

- A) F
- B) A
- C) D
- D) E

## Achievers Section - Questions 31 to 35

**Q31.** Using the same age-order information, who is youngest?

**Options:**

- A) F
- B) A
- C) D
- D) E

**Q32.** Using the same age-order information, who is elder than D but younger than B?

**Options:**

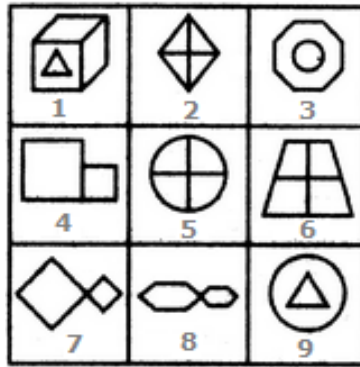
- A) F
- B) A
- C) C
- D) E

**Q33.** If South-East becomes North, North-East becomes West, and so on, what will West become?

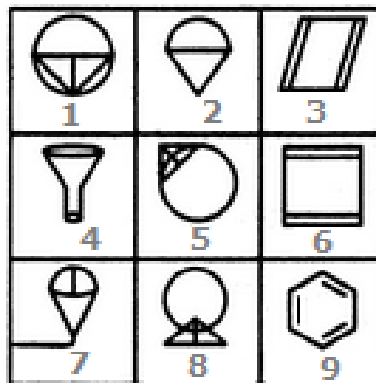
**Options:**

- A) North
- B) South-East
- C) North-West
- D) East

**Q34.** Group the given figures into three classes using each figure only once.



**Q35.** Group the given figures into three classes using each figure only once.



## Answer Key

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	A) AEEUDNRTV	8	A	15	C) 53	22	B) litre	29	A) A
2	B) Kilometres	9	D) $26 - 2 = 24$	16	B) Wednesday	23	A	30	A) F
3	B) Cycle	10	A) 12	17	C) 25	24	A	31	D) E
4	A) Name of day	11	A	18	B	25	C) 60 cm	32	C) C
5	D) B	12	A	19	D) All the above	26	C	33	B) South-East
6	A) Flower	13	D) K	20	A	27	B) Two	34	A) 1,3,9 ; 2,5,6 ; 4,7,8
7	C) 288	14	D) Rain	21	D) 350 ml	28	A) Flower	35	A) 1,5,8 ; 2,6,7 ; 3,4,9

## Detailed Answer Explanations

**Q1.** Answer:

A) AEEUDNRTV

**Explanation:** The intended sample-paper rule groups and arranges the letters to form AEEUDNRTV. This option keeps the vowels together and places the remaining letters in a consistent order.

**Q2.** Answer:

B) Kilometres

**Explanation:** Tonnes, grams, and kilograms are units of weight or mass. Kilometres measure distance.

**Q3.** Answer:

B) Cycle

**Explanation:** A car, helicopter, and aeroplane are motorized vehicles. A cycle is usually human-powered.

**Q4.** Answer:

A) Name of day

**Explanation:** The letters form FRIDAY, which is the name of a day.

**Q5.** Answer:

D) B

**Explanation:** Backward order starts Z, Y, X, ... The 25th letter in this reversed order is B.

**Q6.** Answer:

A) Flower

**Explanation:** The letters form LOTUS, which is a flower.

**Q7.** Answer:

C) 288

**Explanation:** The numbers double each time: 9, 18, 36, 72, 144, so the next number is 288.

**Q8.** Answer: A

**Explanation:** The pattern removes one part of the tree-like figure step by step. The next figure is the simplest remaining top shape.

**Q9.** Answer:

D)  $26 - 2 = 24$

**Explanation:** The first three options add 2. Option D subtracts 2, so it does not follow the same pattern.

**Q10.** Answer:

A) 12

**Explanation:** The top row follows an increasing pattern of even numbers: 12, 14, 16.

**Q11.** Answer: A

**Explanation:** Option A is a number, while the other options are geometric or letter-like figures.

**Q12.** Answer: A

**Explanation:** The source pattern alternates orientation in a repeated way. Option A follows the same repeating alternation.

**Q13.** Answer:

D) K

**Explanation:** The figure contains shapes that can be read as X, V, and W. K is not clearly hidden in the figure.

**Q14.** Answer:

D) Rain

**Explanation:** River, pond, and lake are water bodies. Rain is a form of precipitation.

**Q15.** Answer:

C) 53

**Explanation:** Each term increases by 8. Therefore,  $45 + 8 = 53$ .

**Q16.** Answer:

B) Wednesday

**Explanation:** If the day before yesterday was Saturday, today is Monday. The day after tomorrow will be Wednesday.

**Q17.** Answer:

C) 25

**Explanation:** After 105, the sequence decreases by 20 each time: 105, 85, 65, 45, 25.

**Q18.** Answer: B

**Explanation:** Option B contains the outline of the given Fig. (X) inside the larger design.

**Q19.** Answer:

D) All the above

**Explanation:** Three-dimensional shapes have length, breadth, and height; they can be viewed from different sides and have volume.

**Q20.** Answer: A

**Explanation:** Option A correctly points to the vertex, face, and base of the solid figure.

**Q21.** Answer:

D) 350 ml

**Explanation:** One litre is 1000 ml.  $1000 - 650 = 350$  ml.

**Q22.** Answer:

B) litre

**Explanation:** Litre is a unit of capacity, not weight. The intended correct option is litre.

**Q23.** Answer: A

**Explanation:** The blue cells move in a regular visual sequence. Option A best continues the movement pattern.

**Q24.** Answer: A

**Explanation:** The corner marks accumulate step by step. Option A shows the expected next arrangement.

**Q25.** Answer:

C) 60 cm

**Explanation:** The total outside boundary is found by adding the outer horizontal and vertical edges. The result is 60 cm.

**Q26.** Answer: C

**Explanation:** A circle has no corners, while the other shapes shown have corners.

**Q27.** Answer:

B) Two

**Explanation:** Two common meaningful words are PORE and ROPE.

**Q28.** Answer:

A) Flower

**Explanation:** The letters form LOTUS, which is a flower.

**Q29.** Answer:

A) A

**Explanation:** The statement directly says A is at the extreme left, so A is first from the left.

**Q30.** Answer:

A) F

**Explanation:** The information states directly that F is the eldest.

**Q31.** Answer:

D) E

**Explanation:** The information states directly that E is the youngest.

**Q32.** Answer:

C) C

**Explanation:** The order includes B older than C and C older than D; therefore, C is elder than D but younger than B.

**Q33.** Answer:

B) South-East

**Explanation:** The direction transformation shifts each direction by the same angle. West therefore becomes South-East.

**Q34.** Answer:

A) 1,3,9 ; 2,5,6 ; 4,7,8

**Explanation:** The figures can be grouped by similar internal structure and shape composition as shown in option A.

**Q35.** Answer:

A) 1,5,8 ; 2,6,7 ; 3,4,9

**Explanation:** Option A groups the figures by common visual features and curve/line arrangements.