

Class 2 · Science Olympiad

Total questions 35	Total marks 40	Time 60 minutes	Negative marking None
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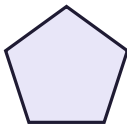
Each question has four options, of which only one is correct. Mark your answer on the answer sheet. The Achievers Section carries higher marks per question. The answer key with full solutions is at the end of this paper.

This is original practice material written to the Level 1 pattern. It is not a past paper and is not affiliated with SOF or any official olympiad body.

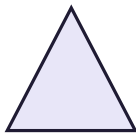
Logical Reasoning

5 questions · 1 mark each · 5 marks

Q1. Which of these figures has exactly 2 lines of symmetry?



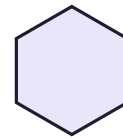
(A)



(B)



(C)



(D)

Q2. Look at the pattern: star, square, star, square, star, ____ . Which shape comes next?

(A) star

(B) oval

(C) square

(D) hexagon

Q3. Which of these numbers is the greatest?

(A) 210

(B) 1013

(C) 820

(D) 170

Q4. Find the next number in the pattern: 9, 11, 13, 15, ____

(A) 19

(B) 17

(C) 15

(D) 18

Q5. Count forward in 10s: 20, 30, 40, 50, ____

(A) 60

(B) 70

(C) 59

(D) 61

Science

25 questions · 1 mark each · 25 marks

Q6. Which of these do we get from a hen?

(A) Eggs

(B) Milk

(C) Honey

(D) Wool

Q7. How many legs does an insect have?

(A) Four

(B) Ten

(C) Six

(D) Eight

Q8. What do we wear in winter to keep warm?

(A) Woollen clothes

(B) Cotton vests only

(C) Raincoat

(D) Swimming costume

Q9. Where do fish take in oxygen from water?

(A) Through their gills

(B) Through their fins

(C) Through their tail

(D) Through their scales

- Q10. Which of these is a means of transport?
(A) Pillow (B) Table (C) Bus (D) Spoon
- Q11. Which gas in the air do we need to breathe?
(A) Nitrogen (B) Oxygen
(C) Carbon dioxide (D) Helium
- Q12. Which of these is a vegetable?
(A) Carrot (B) Banana (C) Apple (D) Mango
- Q13. What is the natural satellite of the Earth called?
(A) Mars (B) A comet (C) The Moon (D) The Sun
- Q14. Which of these gives us light during the day?
(A) The Sun (B) The Moon
(C) A candle (D) A star at night
- Q15. Which part of a plant takes in water from the soil?
(A) The root (B) The flower (C) The leaf (D) The fruit
- Q16. Which sense organ do we use to taste?
(A) The tongue (B) The hands (C) The nose (D) The eyes
- Q17. Which of these materials is attracted by a magnet?
(A) Paper (B) Glass (C) Iron (D) Cloth
- Q18. Which animal gives us milk?
(A) Hen (B) Cow (C) Crow (D) Fish
- Q19. Which organ helps us to breathe?
(A) The heart (B) The lungs (C) The stomach (D) The kidney
- Q20. Which of these can fly?
(A) Cow (B) Fish (C) Snake (D) Bird
- Q21. Which of these animals lays eggs?
(A) Cow (B) Cat (C) Dog (D) Hen
- Q22. What is ice made of?
(A) Frozen air (B) Frozen milk (C) Frozen sand (D) Frozen water
- Q23. Which sense organ do we use to smell?
(A) The ear (B) The tongue (C) The nose (D) The skin
- Q24. What do plants need to grow?
(A) Only paper (B) Only plastic
(C) Water and sunlight (D) Only stones
- Q25. Which animal is known as the ship of the desert?
(A) Donkey (B) Horse (C) Camel (D) Elephant

Q26. Which of these is a wild animal?

- (A) Goat (B) Cow (C) Lion (D) Hen

Q27. Which organ pumps blood around the body?

- (A) The brain (B) The liver (C) The heart (D) The lungs

Q28. What falls from the clouds when it rains?

- (A) Leaves (B) Water (C) Sand (D) Stones

Q29. Which of these is a herbivore — an animal that eats only plants?

- (A) Eagle (B) Tiger (C) Lion (D) Cow

Q30. Which of these is a baby animal of a dog?

- (A) Kitten (B) Calf (C) Chick (D) Puppy

Achievers Section

5 questions · 2 marks each · 10 marks

Q31. Choose the correct form: "The ____ playing in the park." (use the plural of 'leaf')

- (A) leaves is (B) leaf are (C) leafs are (D) leaves are

Q32. There are 6 boxes with 4 oranges in each box. If 3 oranges are eaten, how many are left?

- (A) 21 (B) 22 (C) 18 (D) 24

Q33. $49 + \underline{\quad} = 58$

- (A) -1 (B) 58 (C) 19 (D) 9

Q34. Choose the correct form: "The ____ playing in the park." (use the plural of 'city')

- (A) cities is (B) city are (C) cities are (D) citys are

Q35. There are 7 boxes with 12 apples in each box. If 62 apples are eaten, how many are left?

- (A) 25 (B) 19 (C) 84 (D) 22

Answer Key

1	2	3	4	5	6	7	8	9	10
C	C	B	B	A	A	C	A	A	C
11	12	13	14	15	16	17	18	19	20
B	A	C	A	A	A	C	B	B	D
21	22	23	24	25	26	27	28	29	30
D	D	C	C	C	C	C	B	D	D
31	32	33	34	35					
D	A	D	C	D					

Solutions

Q1. (C) Counting lines of symmetry: regular pentagon has 5, equilateral triangle has 3, rectangle has 2, regular hexagon has 6. The answer is figure (C).

Q2. (C) The pattern repeats star then square over and over, so after star comes square.

- Q3. (B) Comparing 170, 210, 820, 1013, the greatest is 1013.
- Q4. (B) Each number is 2 more than the one before it, so the next is $15 + 2 = 17$.
- Q5. (A) Adding 10 to 50 gives 60.
- Q6. (A) Hens lay eggs.
- Q7. (C) All insects have six legs. Spiders, which have eight, are not insects.
- Q8. (A) Wool traps warm air and keeps us warm. The answer is Woollen clothes.
- Q9. (A) Fish breathe using gills, which take dissolved oxygen out of the water. The answer is Through their gills.
- Q10. (C) A bus carries people from place to place.
- Q11. (B) We breathe in oxygen and breathe out carbon dioxide.
- Q12. (A) A carrot is a vegetable; the others are fruits.
- Q13. (C) The Moon is the Earth's only natural satellite.
- Q14. (A) The Sun gives us light in the daytime.
- Q15. (A) Roots absorb water and minerals from the soil and hold the plant firmly in place. The answer is The root.
- Q16. (A) We taste with our tongue. The answer is The tongue.
- Q17. (C) Magnets attract iron, nickel and cobalt. Glass, paper and cloth are not magnetic.
- Q18. (B) We get milk from cows, buffaloes and goats.
- Q19. (B) The lungs take in oxygen from the air and give out carbon dioxide.
- Q20. (D) Birds have wings and can fly.
- Q21. (D) A hen lays eggs. Cows, dogs and cats give birth to young ones.
- Q22. (D) Ice is water that has frozen solid. The answer is Frozen water.
- Q23. (C) The nose is the sense organ for smell.
- Q24. (C) Plants need water, sunlight, air and soil to grow. The answer is Water and sunlight.
- Q25. (C) The camel can travel long distances across the desert with very little water.
- Q26. (C) A lion lives in the wild; the others are domestic animals.
- Q27. (C) The heart pumps blood to every part of the body.
- Q28. (B) Rain is water falling from the clouds.
- Q29. (D) A cow eats only plants, so it is a herbivore. Lions, tigers and eagles eat meat.
- Q30. (D) A baby dog is called a puppy.
- Q31. (D) The plural of 'leaf' is 'leaves', and a plural subject takes 'are', so the answer is "leaves are".
- Q32. (A) $6 \times 4 = 24$ oranges in all, and $24 - 3 = 21$ are left.
- Q33. (D) The missing number is $58 - 49 = 9$.
- Q34. (C) The plural of 'city' is 'cities', and a plural subject takes 'are', so the answer is "cities are".
- Q35. (D) $7 \times 12 = 84$ apples in all, and $84 - 62 = 22$ are left.

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