

## **GL ASSESSMENT PAPER 1**



Name \_\_\_\_\_

Date of Birth 

D	D	M	M	Y	Y
---	---	---	---	---	---

School \_\_\_\_\_

### **Secondary Transfer Test Practice Papers**

(suitable for GL Assessment style 11+ entrance tests and independent school entrance exams)

### **GL Assessment Style 11+ Exam - PAPER 2**

Read through this section carefully and wait for further instruction.

#### **Read the instructions carefully.**

- Do not begin the test or open the booklet until told to do so.
- Work as quickly and as carefully as you can.
- Please use a pencil to answer the questions
- Put a line in the box next to the correct letter from the options given on your answer sheet
- You may do rough working on a separate sheet of paper.
- If you make a mistake, rub it out and then mark the correct answer
- You will have 60 minutes to complete the test.

Please don't hesitate to contact us at [info@11plussuccess.co.uk](mailto:info@11plussuccess.co.uk) if you have any questions or queries.

Visit us at <https://11plussuccess.co.uk>

We regularly update our site with new products and helpful tips and advice.

Published by 11Plus Success. All rights reserved. No part of this publication may be photocopied, reproduced, stored or transmitted in any form or by any means without written permission of the publisher. Any breach of copyright may result in prosecution.

## Maths

Answer the following questions

1. Jack is asked to distribute 144 answer papers to 18 students. How many does each get?

- A. 8.                      B. 10                      C. 12                      D. 6

2. A circle has several properties. Which of these is not a property of a circle?

- A. The area of the circle is  $\pi r^2$  (where  $r$  is radius)  
B. The circumference of a circle is  $2\pi d$  (where  $d$  is diameter)  
C. The diameter of the circle is the longest chord  
D. The circumference of a circle is  $2\pi r$  (where  $r$  is radius)

3. Rachel's mother is teaching her daughter to bake a cake. She tells her that the proportion of ingredients is as follows: For every one cup of flour 1 teaspoon of baking soda, 2 teaspoons of salt and 4 teaspoons of baking powder are required. If she uses 20 teaspoons of baking powder, how many cups of flour are required?

- A. 3 cups                      B. 4 cups                      C. 5 cups                      D. 6 cups

4. Choose the number which has the smallest value.

- A. 0.076  
B. 0.0077  
C. 0.0076  
D. 0.077

5. Find the value of  $m$  in this equation:  $8(2m + 3) = 72$

- A. 3                      B. 4                      C. 5                      D. 6

6. The table below shows the total number of spectators at a moderately large stadium split up between pavilion and non-pavilion seats as wells as between men and women. Use the data given in the table to determine the total number of spectators.

Stands	Pavilion	Non-pavilion	Total
Men	1,850	?	24,505
Women	?	8,450	?
Total	2,650	?	?

- A. 33,800 spectators      B. 33,900 spectators      C. 33,995 spectators      D. 33,755 spectators

7. Joseph orders pizzas for himself and his friends. The cost of pizza is calculated based on the following formula:  $\text{£}1.50 + \text{£}2p$  where  $p$  is the price of one pizza and  $\text{£}1.5$  is the delivery charges. If Joseph orders 9 pizzas and each pizza costs  $\text{£}2$ , how much does Joseph pay for the pizzas

- A.  $\text{£}21.50$       B.  $\text{£}19.50$       C.  $\text{£}20.00$       D.  $\text{£}22.50$

8. Marion's father bought a car for  $\text{£}18,000$  three years ago. He sold it at a 30% loss today. How much did he sell it for?

- A.  $\text{£}12,600$       B.  $\text{£}36,200$       C.  $\text{£}24,500$       D.  $\text{£}21,500$

9. A person visits the store and picks up two vegetables. He buys 4kg of one vegetable and 4kg of another vegetable. He had the following five vegetables to choose from. If he has spent  $\text{£}13$ , which of the two did he buy?

Tomato -  $\text{£}1.50$  per kg

Carrot -  $\text{£}1.75$  per kg

Cabbage -  $\text{£}2$  per kg

Beetroot - £1.25 per kg

Radish - £0.75 per kg

- A. Tomato & Beetroot      B. Carrot & Radish.      C. Cabbage & Radish      D. Tomato & Carrot

10. How many seconds are there in 3 hours and 23 minutes?

- A. 22,320 seconds      B. 12,180 seconds      C. 32,280 seconds      D. 12,460 seconds

11. What would be the next number in the following sequence?

8, 4, 11, 16, 14, 64, 17, \_\_\_\_

- A. 244      B. 339      C. 256      D. 226

12. The maths class lasted for 1 hour and 11 minutes. Which of the following times could it be?

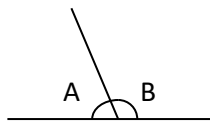
A. 09:00 and 10:00

B. 13:00 and 13:59

C. 10:05 and 11:10

D. 11:15 and 12:26

13. What type of an angle is angle A and angle B in the following figure?



Answer Angle A is ----- and Angle B is -----

A. Angle A is an acute angle and Angle B is an acute angle

B. Angle A is an obtuse angle and Angle B is an obtuse angle

C. Angle A is an obtuse angle and Angle B is an obtuse angle

D. Angle A is an acute angle and Angle B is an obtuse angle

14. Three lockers in a school contain the following sports balls: 24 basketballs, 30 cricket balls and 18 volleyballs. One of the following statements is false? Which one?

- A. Basketballs, cricket balls and volleyballs are in the ratio of 4:5:3
- B. Basketballs, cricket balls and volleyballs are in the ratio of 4:6:3
- C. If you pick a ball at random you are more likely to pick a cricket ball
- D. The number of cricket balls and volleyballs is twice that of basketballs

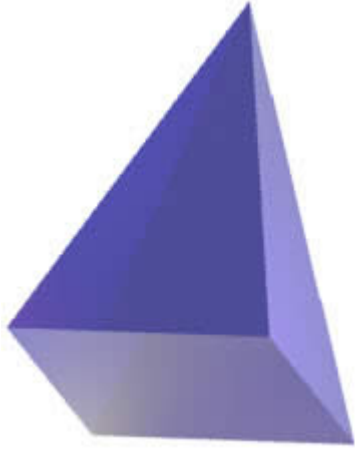
15. The time taken by sunlight to reach earth is 500 seconds. Convert this into minutes and seconds.

- A. 8 minutes and 10 seconds
- B. 9 minutes and 10 seconds
- C. 8 minutes and 20 seconds
- D. 9 minutes and 20 seconds

16. If  $555.555 \times 5.5 = 3,055.5525$ , what does  $55.5555 \times 55$  equal?

- A. 3,055.5525
- B. 3, 055.555
- C. 5, 055.555
- D. 5, 055.5525

17. Which of the following does the figure below represent?



- A. Triangle
- B. Cone
- C. Helix
- D. Prism

18. Among the 60 cars parked in a car park, 24 were sedans,  $\frac{1}{3}^{\text{rd}}$  were SUVs, and 25% of these SUVs were blue in colour. How many SUVs were there which were not blue in colour?

- A. 5
- B. 6
- C. 8
- D. 7

19. Susan's refrigerator at home could be adjusted to a lower limit of  $-15^{\circ}\text{C}$  and to an upper limit of  $21^{\circ}\text{C}$ . What is the difference between the lower and upper limits?

- A.  $26^{\circ}\text{C}$
- B.  $16^{\circ}\text{C}$
- C.  $36^{\circ}\text{C}$
- D.  $28^{\circ}\text{C}$

20. What is 0.005 written as a fraction?

- A.  $\frac{1}{100}$
- B.  $\frac{1}{20}$
- C.  $\frac{1}{10}$
- D.  $\frac{1}{200}$

21. What is  $\frac{3}{200}$  as a decimal?

- A. 0.015
- B. 0.030
- C. 0.100
- D. 0.005

22. Find the value of  $x$  in the following expression:

$$144 = 8(x - 2)$$

Answer  $x = \text{-----}$

- A. 2
- B. 20
- C. 10
- D. 5

23. Peter reaches his office in 29 minutes travelling by car. His colleague, Alex takes the underground leaving at 7.15am and reaching the station near his office at 7.37am. Alex's home is 1 minutes away from the station and his station is 1 minutes away from his office. If both Peter and Alex start their journey at the same time, who reaches the office later and by how many minutes is the person slower?

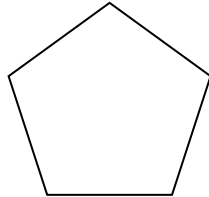
Answer ----- minutes

- A. Alex, 5 minutes
- B. Alex, 10 minutes

C. Peter, 5 minutes

D. Peter, 10 minutes

24. If the figure below is a regular pentagon, what is the size of each interior angle?



Answer ----- °

A.  $90^\circ$

B.  $100^\circ$

C.  $105^\circ$

D.  $108^\circ$

25. My young son learned a new trick in school. He asked me to think of a number and multiply it by 4 and add 15 and then divide by 3 and tell the answer. I answered 9. Can you find out what the number was that I thought of?

A. 15

B. 20

C. 10

D. 3

26. Veronica has collected 224 books. She wants to place them in a bookshelf. She can place 28 books in one shelf. How many shelves would she require?

A. 15 shelves

B. 2 shelves

C. 8 shelves



D. 10 shelves

27. The distance between the earth and the moon is 384,400km. What is the place value of 3?

A. Hundred thousand

B. Ten thousand

C. Thousand

D. Hundred

28. A person burns 12 calories by walking 100 metres. How much would that person burn if he or she walked 4.5km?

A. 150 calories

B. 540 calories

C. 100 calories

D. 300 calories

29. The following items are required for a set of 6 hotel rooms.

12 Bed sheets

24 Pillows

24 Chairs

6 Mirrors

6 Table lamps

How many pillows would be required for 25 Hotel rooms?

A. 15 pillows

B. 100 pillows

C. 10 pillows

D. 30 pillows

30. What is  $\frac{5}{9}$  of 126?

A. 70

B. 20

C. 96

D. 34

31. Bob orders a large pizza and cuts it into 6 equal pieces. What fraction of the pizza is one piece?

A.  $\frac{6}{1}$

B.  $\frac{1}{6}$

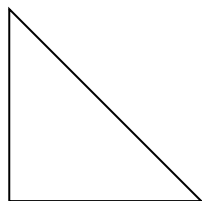
C.  $\frac{6}{6}$

D.  $\frac{1}{1}$

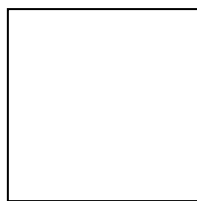
Look at the figures closely. Answer questions 32, 33, 34, 35, 36 and 37 that follow based on these figures.



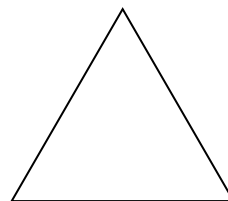
1. Rectangle



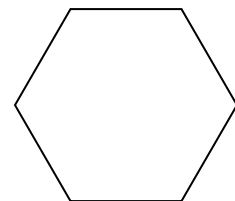
2. Right angle triangle



3. Square



4. Equilateral triangle



5. Regular hexagon

32. Which figures have at least one right angle?

A. All

B. 1, 2 and 3

C. None

D. 1, 2, 3 and 5

33. Which figures have all sides equal?

A. 2, 3, 4 and 5

B. None

C. 3, 4 and 5

D. All

34. Which figures have all equal angles?

A. 1, 3, 4 and 5

B. All

C. 1, 3 and 4

D. Only 5

35. Which figures have at least one obtuse angle?

A. None

B. 1 and 5

C. 2 and 5

D. Only 5

36. Which figures have sum of angles equal to  $180^\circ$ ?

A. None

B. 2 and 4

C. 2, 3 and 5

D. 2 and 5

37. What is the sum of the interior angles of the hexagon?

A.  $360^\circ$

B.  $540^\circ$

C.  $720^\circ$

D.  $900^\circ$

38. What do you get when round off 326.596 to the first decimal place?

A. 326.59

B. 326.50

C. 326.5

D. 326.6

39. Which of the following is equal to 39?

A.  $13 \times 4 - 13$

B.  $13 \times 3 + 1$

C.  $13 \times 3 - 1$

D.  $78 \div 2 - 9$

40. Which of the following numbers is not divisible by 7?

A. 49

B. 91

C. 70

D. 69

41. A basket holds 10 apples each weighing 125g. However, when the basket with the apples is placed on the weighing scale it shows the weight as 1.5kg. What is the weight of the basket?

Answer ---- g

- A. 150g
- B. 200g
- C. 250g
- D. 300g

42. The shirt sizes of teenagers at a party are 28, 30, 32, 34, 36 and 38. What is the mean shirt size?

Answer ----

- A. 33
- B. 20
- C. 44
- D. 30

43. Anita spent 20% of her pocket money of £10 on chocolates. She also spent £3.20 of her pocket money on a book. How much did she have left?

- A. £4.40
- B. £3.60
- C. £2.80
- D. £4.80

44. What is  $100 - 99.99$ ?

Answer -----

- A. 10.0
- B. 0.01

C. 0.10

D. 0.001

45. Janet uses a 20% discount coupon to buy half a dozen of cakes. After the discount, she pays £7.50. How much discount did she get?

A. £15.00

B. £2.00

C. £1.50

D. £3.00

46. Jason empties his piggy bank and finds two coins of £2, 5p, 2p and 1p each. He also finds 1 note of £5 and £10 each. How much money does Jason have?

A. £18 and 16p

B. £19 and 16p

C. £17 and 16p

D. £19 and 8p

47. Which of these times is the same as 13:05?

A. 5 minutes past midnight

B. 5 minutes past noon

C. 5 minutes past one in the afternoon

D. 5 minutes past one in the morning

48. What is the missing number in this equation?

$$13750 + 13750 = (\text{-----}) \times 4$$

Answer -----

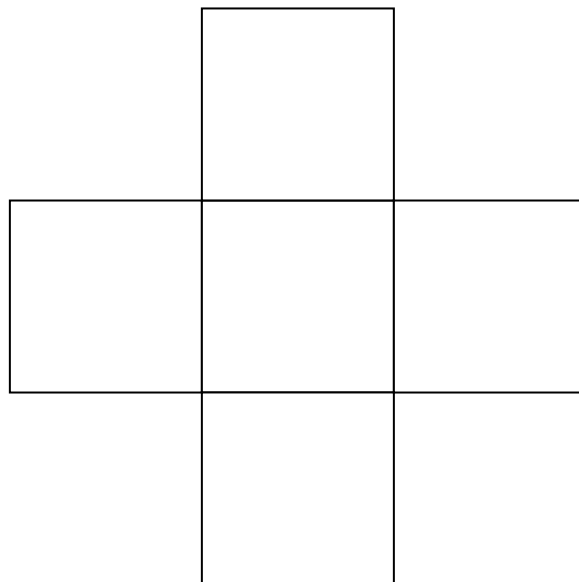
- A. 6,875
- B. 5,450
- C. 2,250
- D. 3,785

49. Steve is a philatelist. His collection comprises mainly of stamps from two countries, England and India. Out of the stamps from these two countries, 3 out of every 4 stamps that he has are from England. He has 76 stamps from India. How many stamps does he have in total?

Answer ----- stamps

- A. 150 stamps
- B. 250 stamps
- C. 100 stamps
- D. 304 stamps

50. The following is a pattern formed by 5 identical squares of side 4cm. What is the perimeter of the outer edge of the shape formed by these five squares as shown by the diagram below?



- A. 40cm

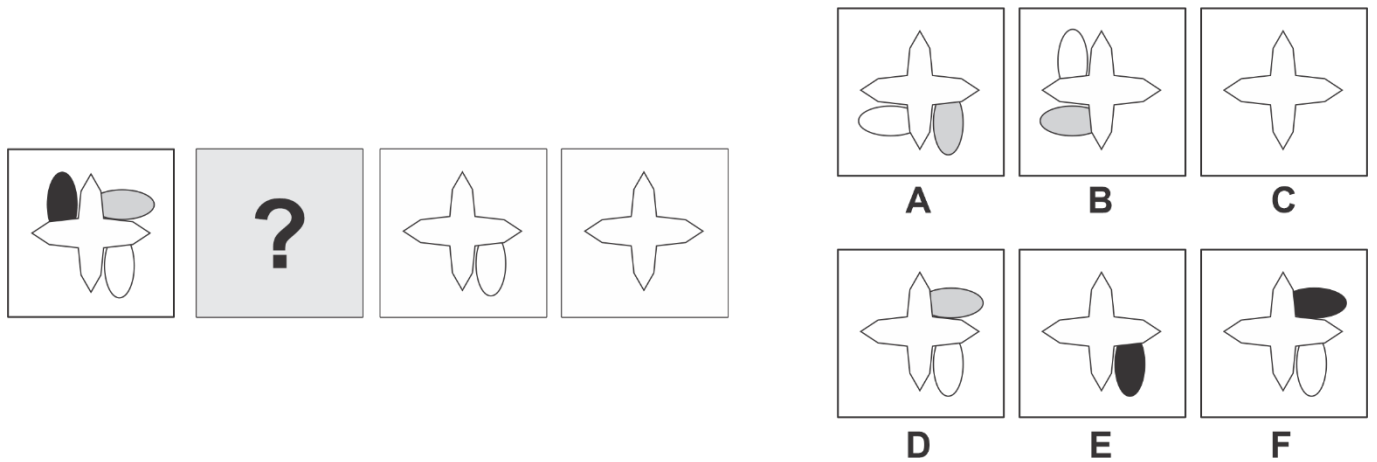
- B. 44cm
- C. 56cm
- D. 48cm

=====

### Non-Verbal Reasoning

In this section you will find the shape which completes the sequence in the best way.

Example Question:

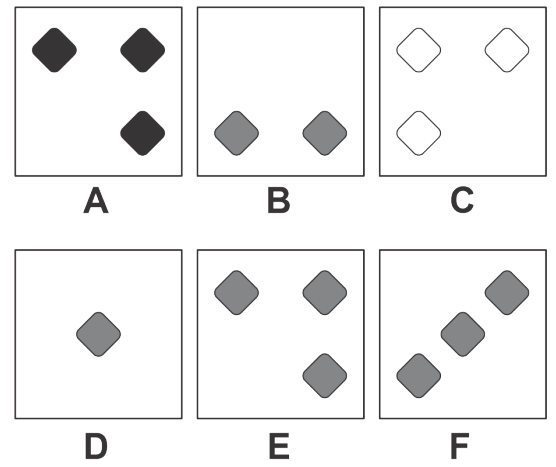
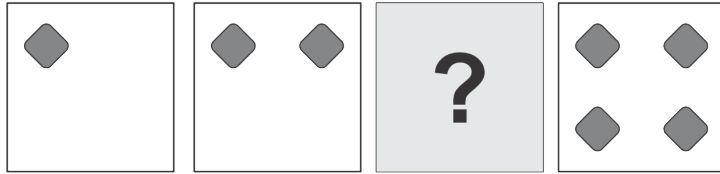


**Correct Answer:** B

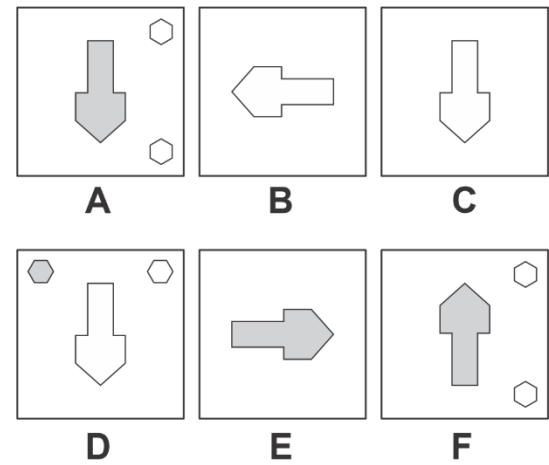
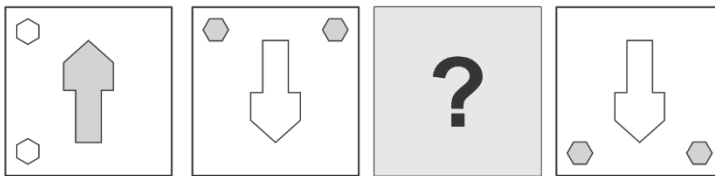
**Explanation:** Square 1 has three semi-circle shapes that are decreasing by one in each consecutive square.



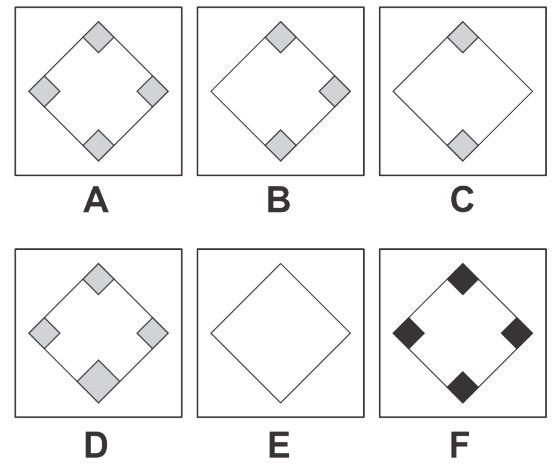
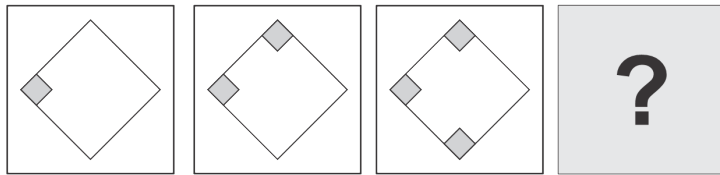
Question-51:



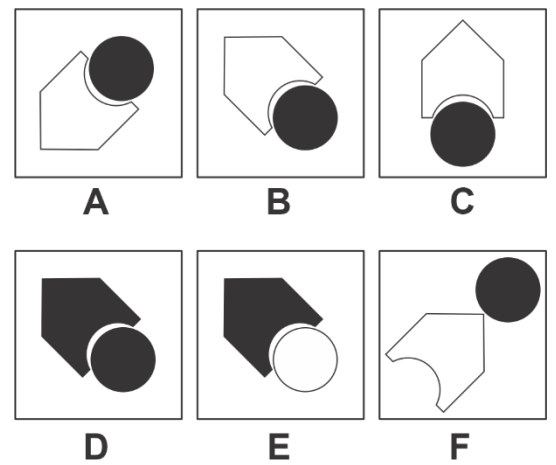
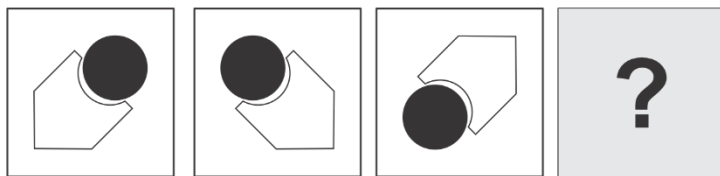
Question-52:



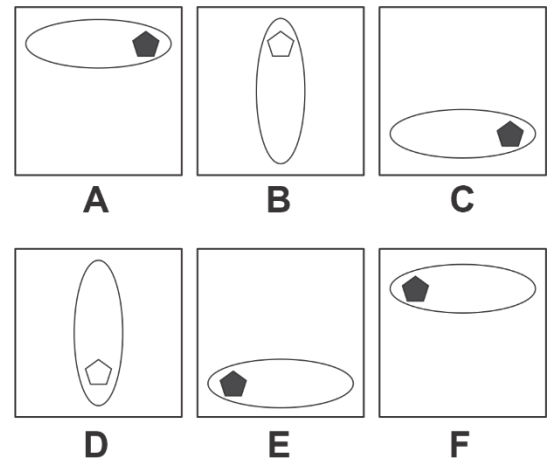
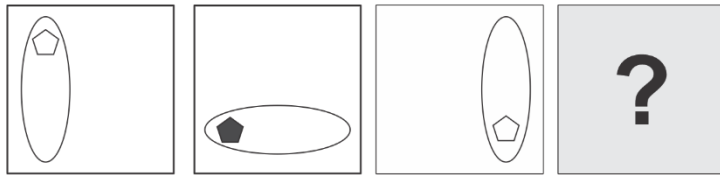
Question-53:



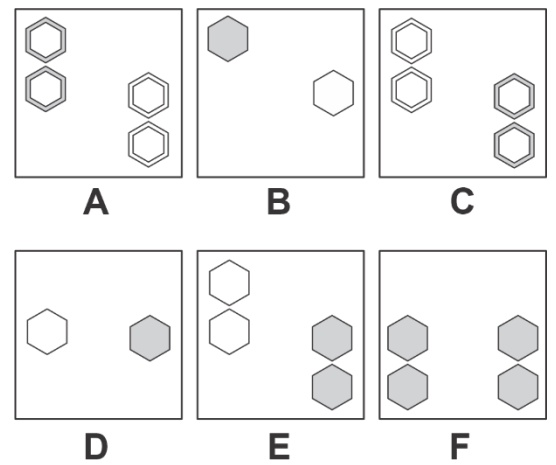
Question-54:



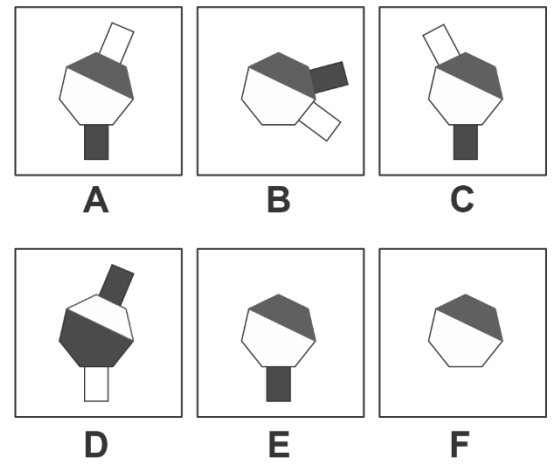
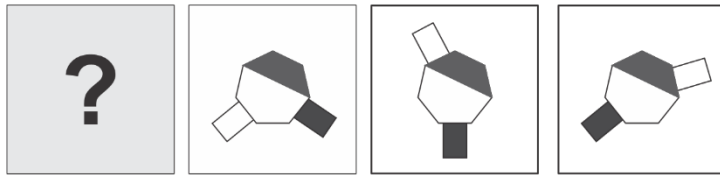
Question-55:



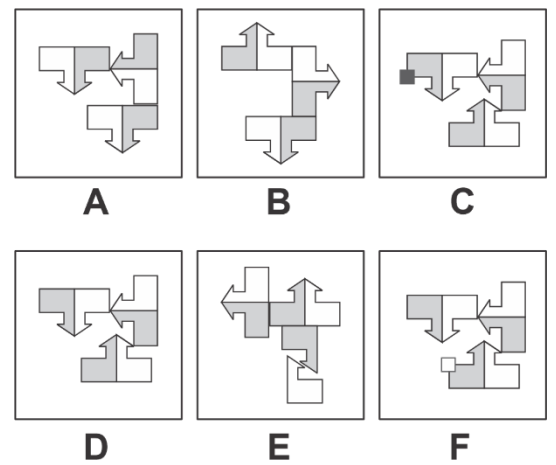
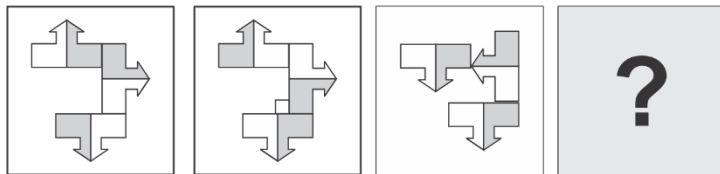
Question-56:



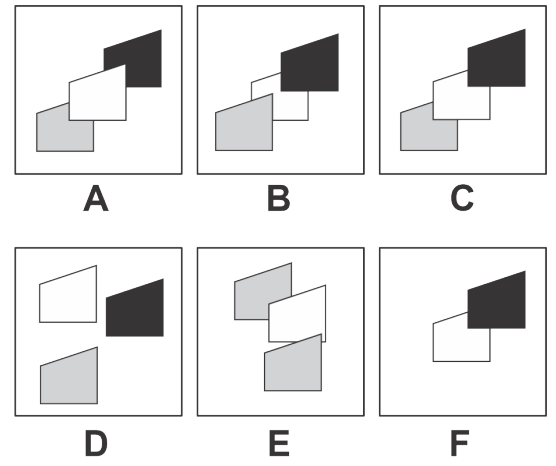
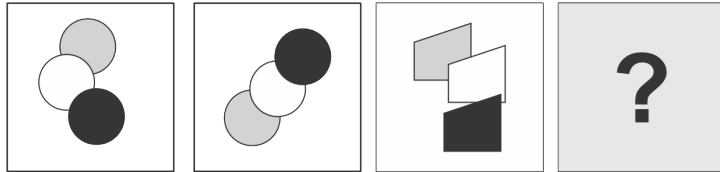
Question-57:



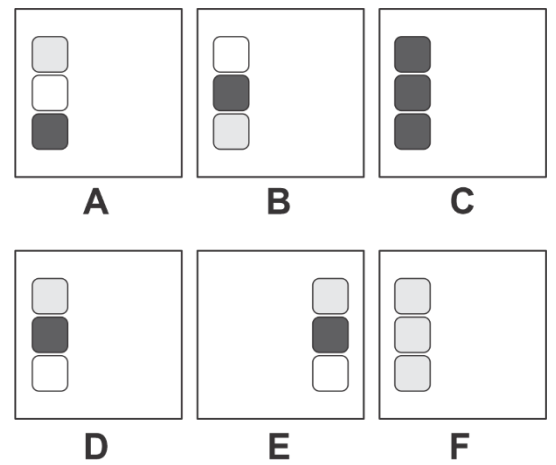
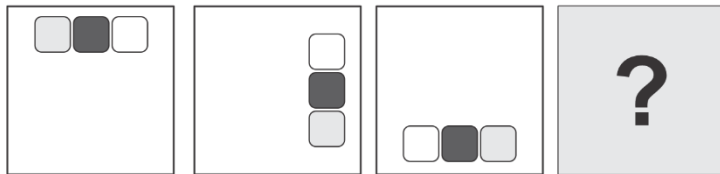
Question-58:



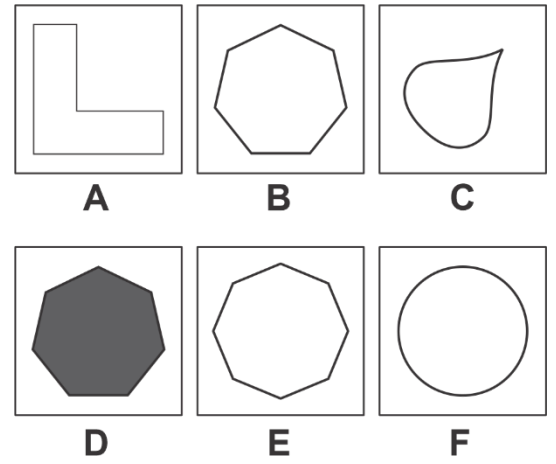
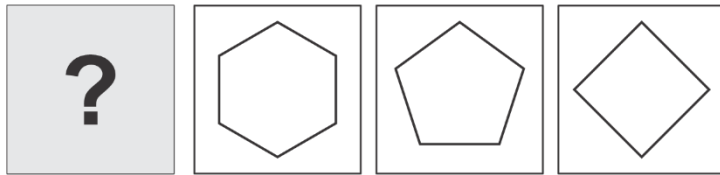
Question-59:



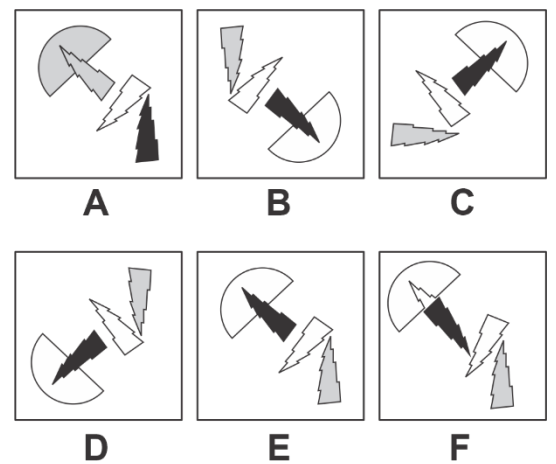
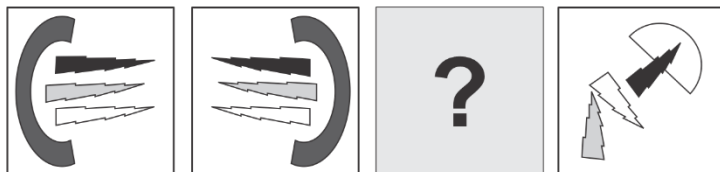
Question-60:



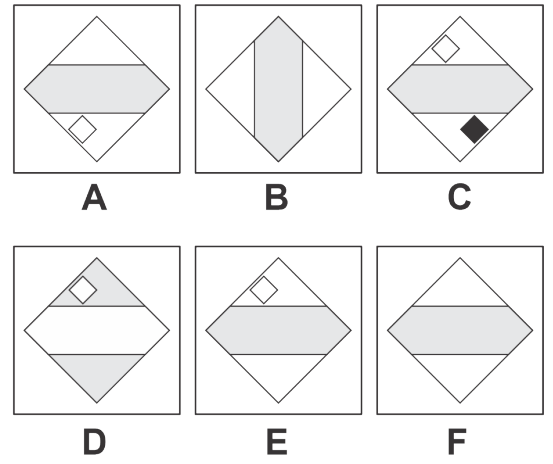
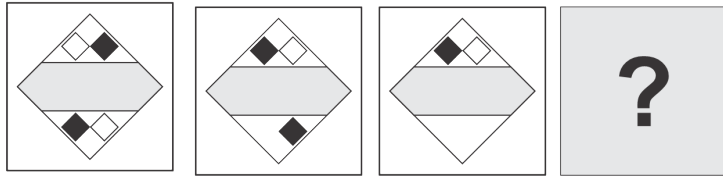
Question-61:



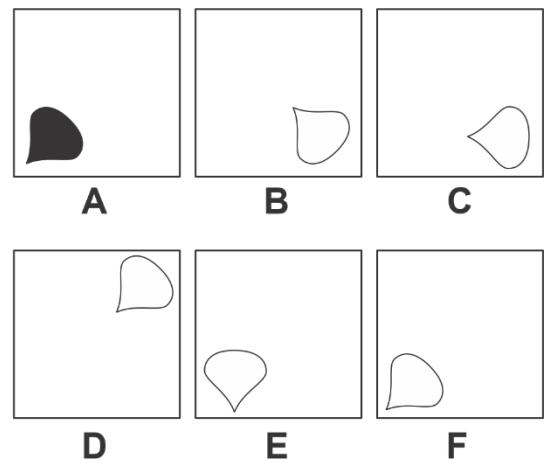
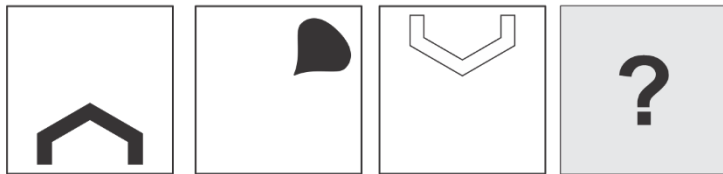
Question-62:



Question-63:



Question- 64:



Question-65:

