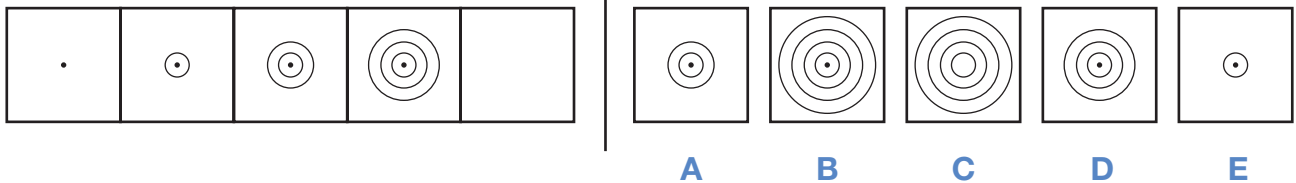


Section 1

To the left in the example below there are five squares arranged in order. One of these squares has been left empty. One of the five squares on the right should **take the place** of the empty square and its letter has been marked on your answer sheet.

Example

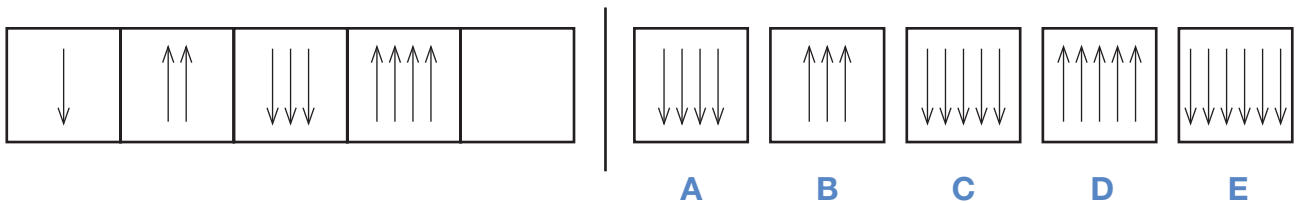


Answer: B

As you move through the series, the dot acquires an extra ring around it, increasing the overall size of the circle each time. The central dot is present in each cell.

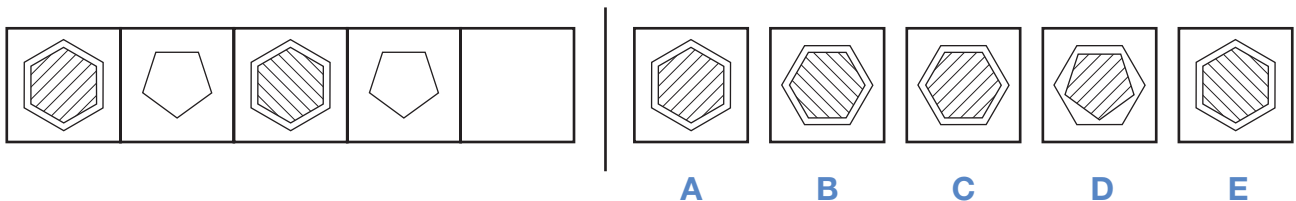
Now do the two practice questions below.

P1



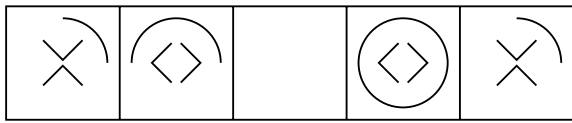
This series has two rules: firstly, an arrow is added each time and, secondly, the direction of the arrows alternates, pointing downwards then upwards etc. Therefore, the missing square should have five arrows pointing downwards, as in answer option **C**.

P2



In this series, the image changes across every other square so the pattern for 1, 3 and 5 is independent from squares 2 and 4. We can see that the pattern for 2 and 4 remains the same: the five-sided shape doesn't change. The pattern for 1, 3 and 5 shows that the six-sided shape is always positioned the same way but the direction of the diagonal lines alternates. In square 5 they will be slanting right, as in answer option **A**.

1



A

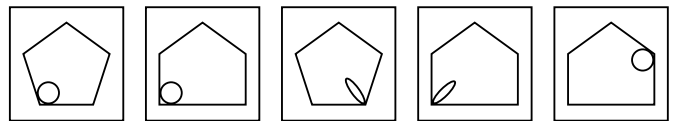
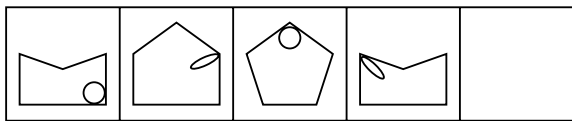
B

C

D

E

2



A

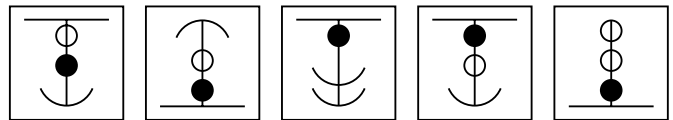
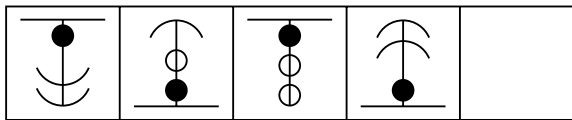
B

C

D

E

3



A

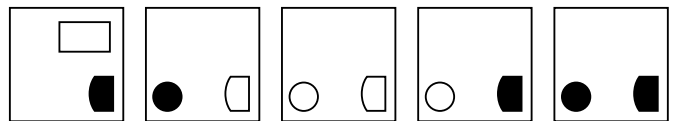
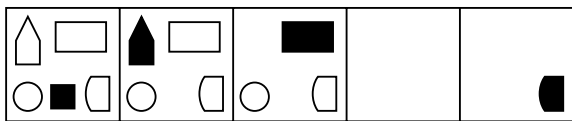
B

C

D

E

4



A

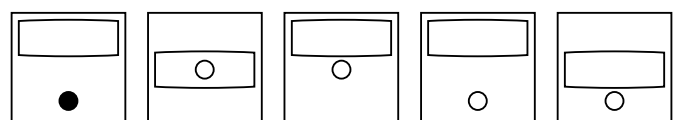
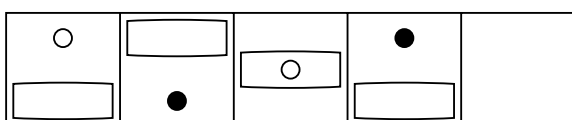
B

C

D

E

5



A

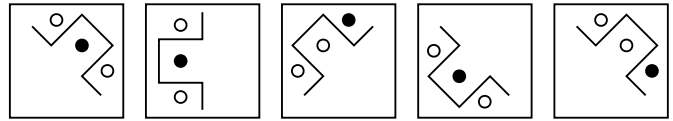
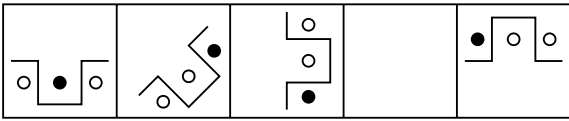
B

C

D

E

6



A

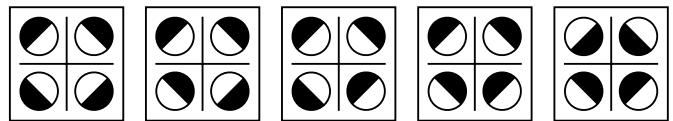
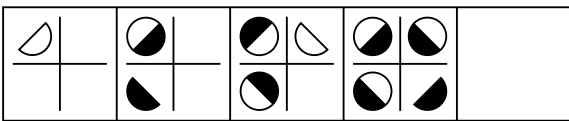
B

C

D

E

7



A

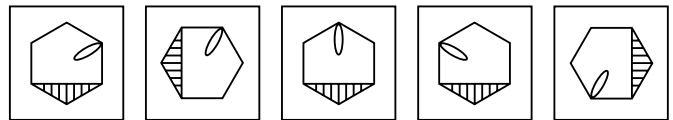
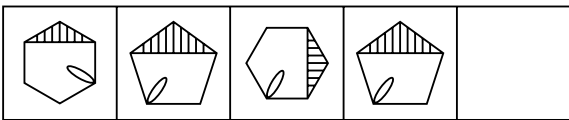
B

C

D

E

8



A

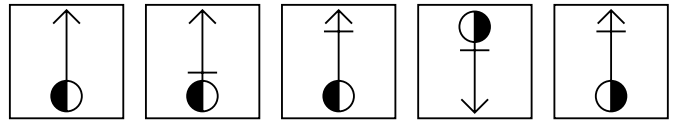
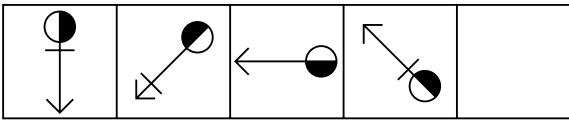
B

C

D

E

9



A

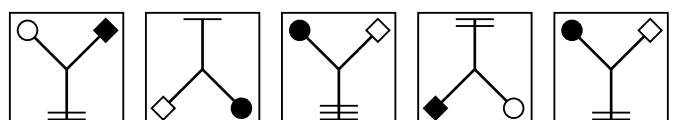
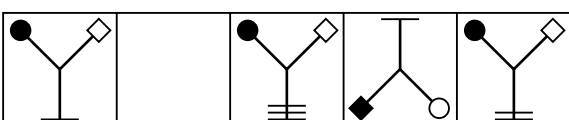
B

C

D

E

10



A

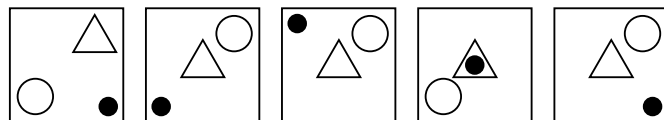
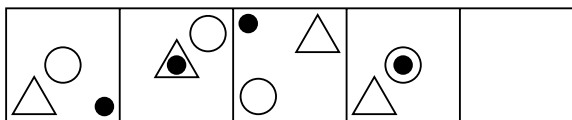
B

C

D

E

11



A

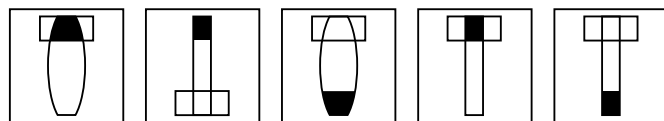
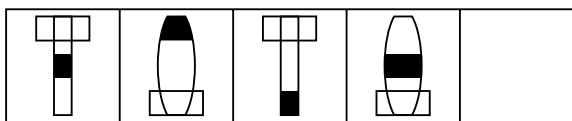
B

C

D

E

12



A

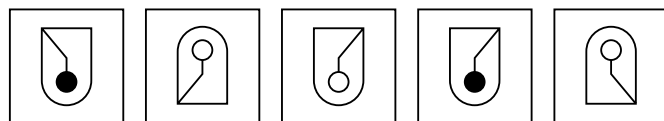
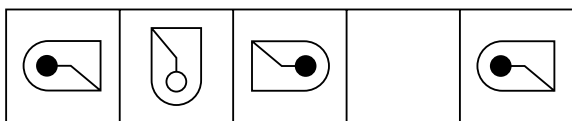
B

C

D

E

13



A

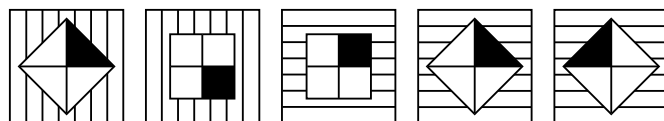
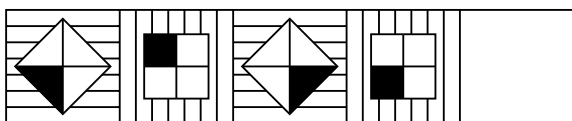
B

C

D

E

14



A

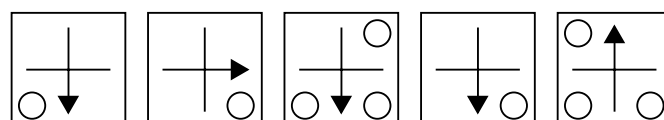
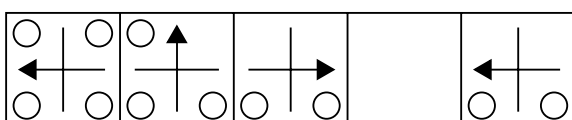
B

C

D

E

15



A

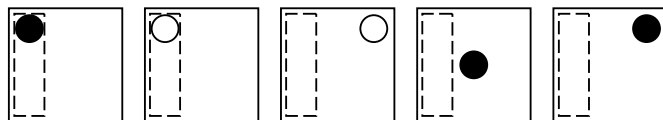
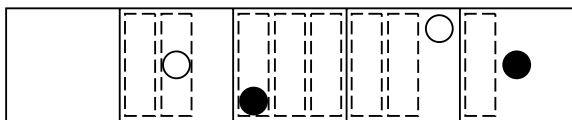
B

C

D

E

16



A

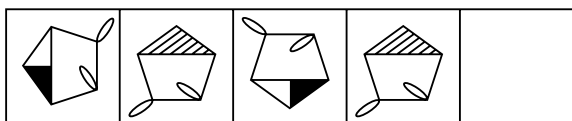
B

C

D

E

17



A

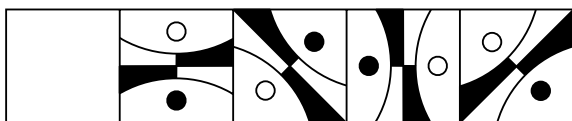
B

C

D

E

18



A

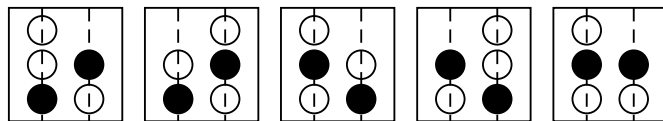
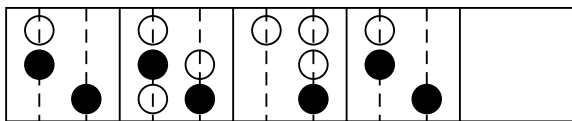
B

C

D

E

19



A

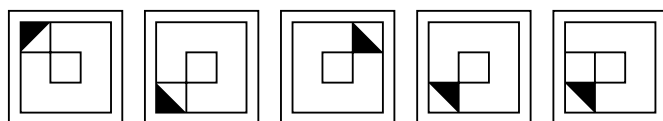
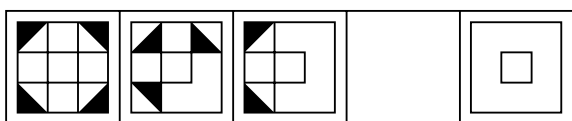
B

C

D

E

20



A

B

C

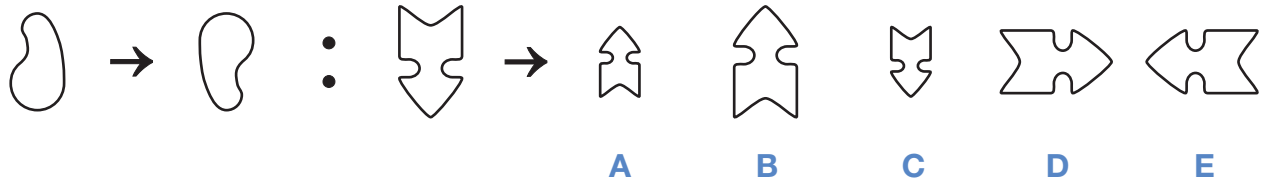
D

E

Section 2

On the left of the example below are two shapes with an arrow between them. Decide how the second is related to the first. After these there is a third shape, then an arrow and then five more shapes. Decide which of the five shapes goes with the **third** one to **make a pair** like the two on the left. Its letter has been marked on your answer sheet.

Example

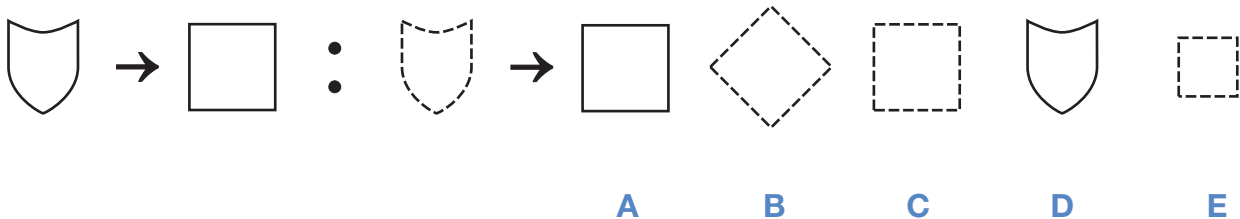


Answer: B

The shape rotates 180° but doesn't change size.

Now do the two practice questions below.

P1



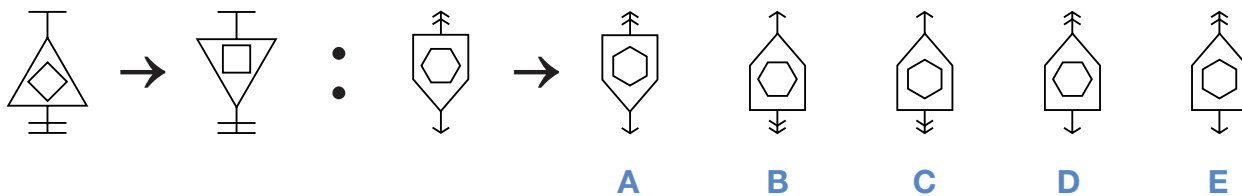
In the two shapes on the left, we can see that the shape changes from a shield to a square but the size remains the same and so does the line style. This means that the dashed shield will change to a dashed square of the same size. This makes **C** the correct answer.

P2

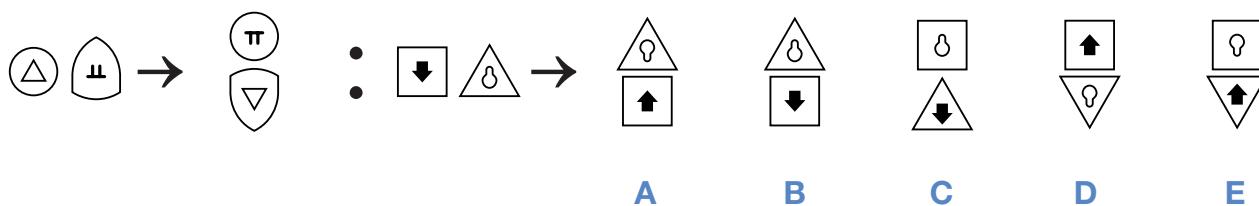


In the two shapes on the left, we can see that the shapes stay the same but there is a reversal of shading. The third shape is a small white 'keyhole' inside a black shaded six-sided figure so shape four must be the same but with reverse shading. Therefore, **A** is the correct answer.

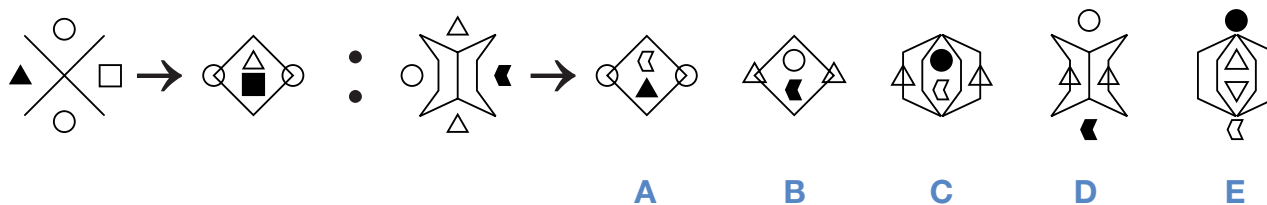
21



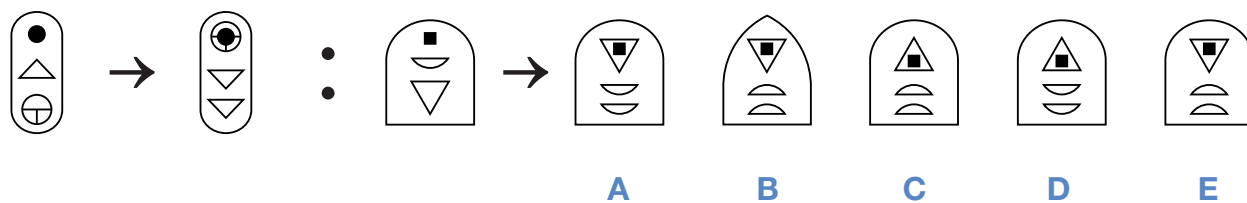
22



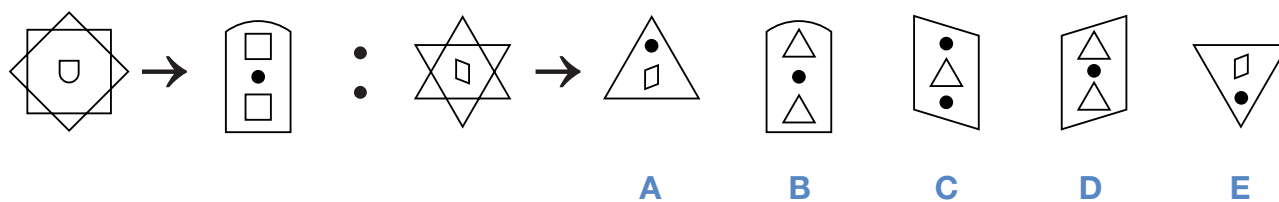
23



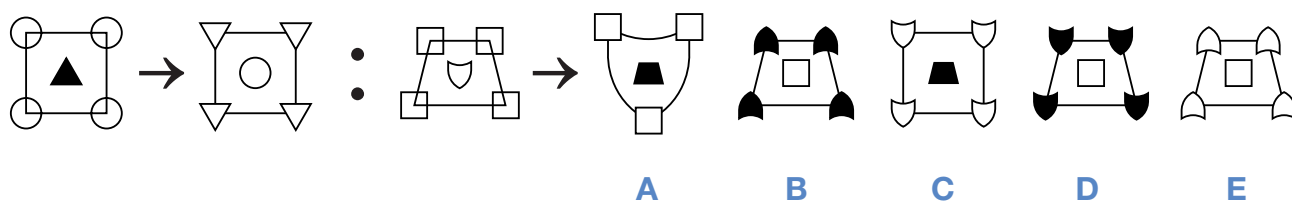
24



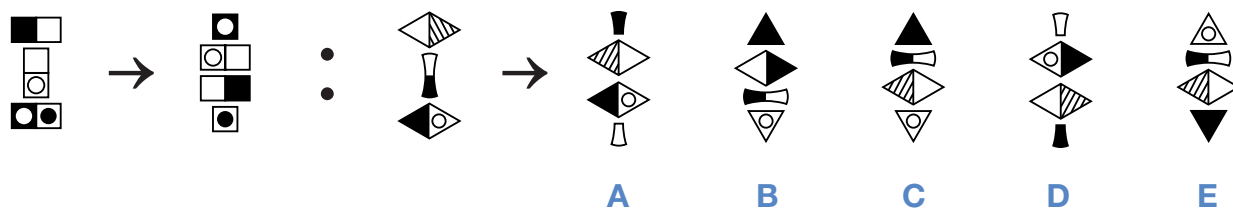
25



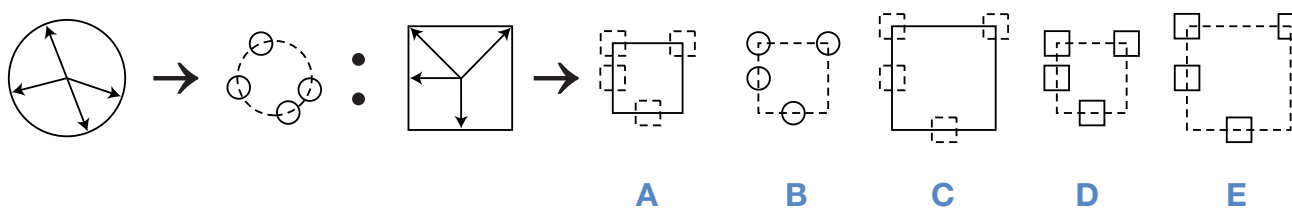
26



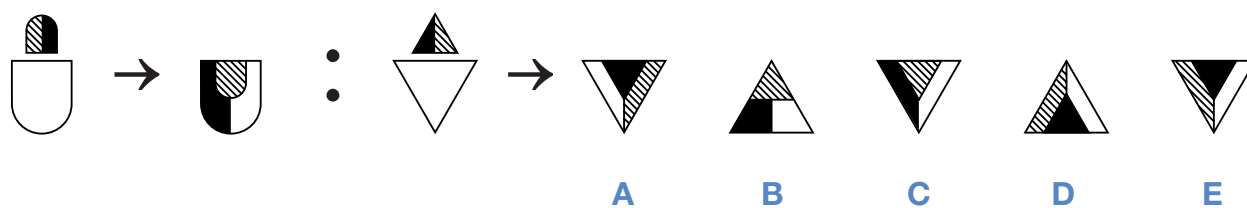
27



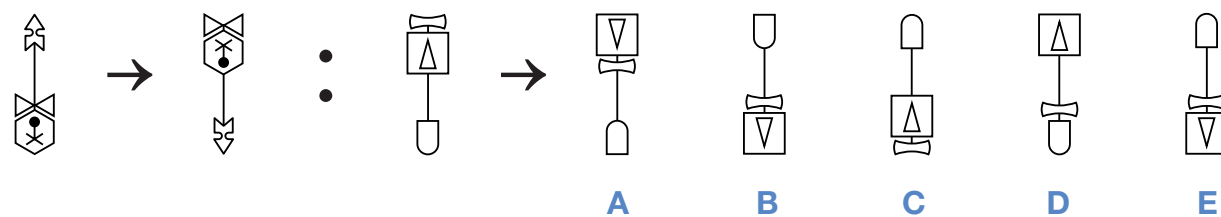
28



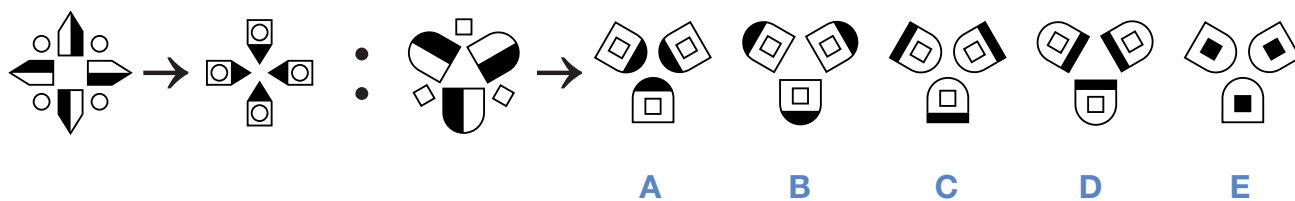
29



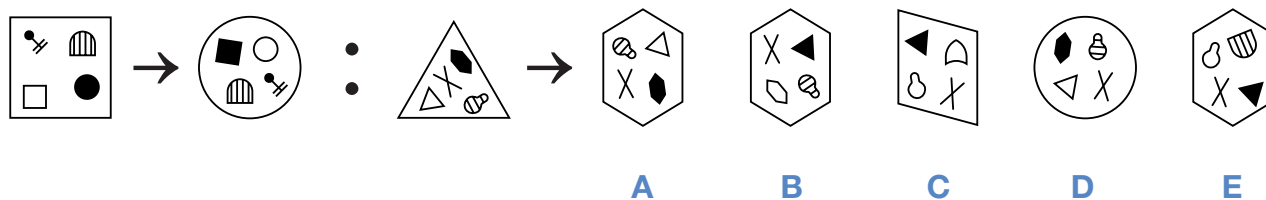
30



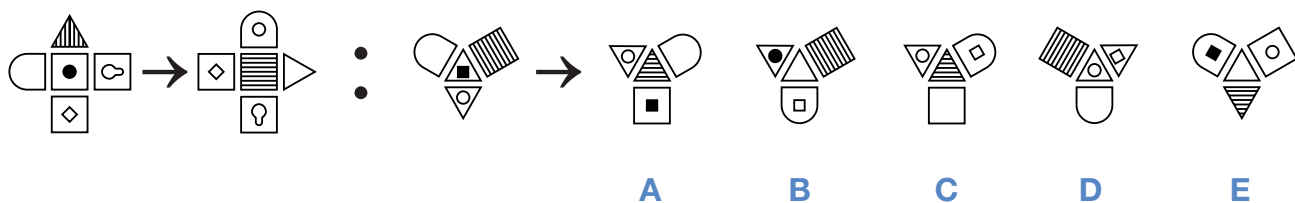
31



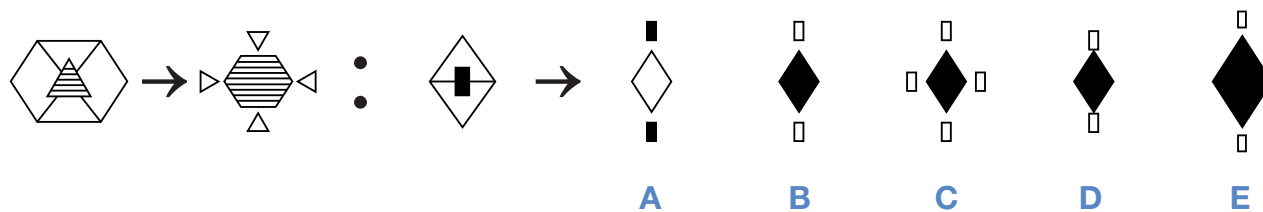
32



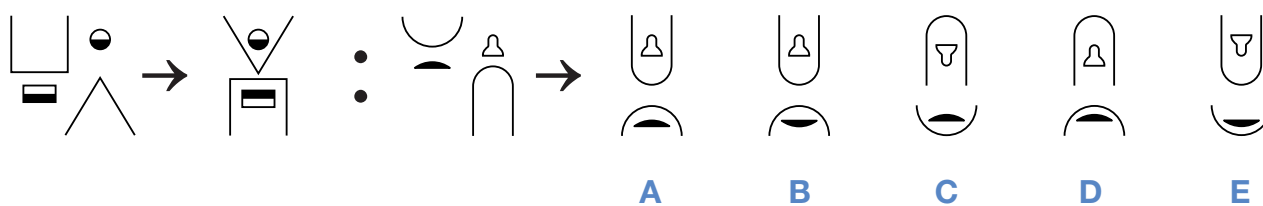
33



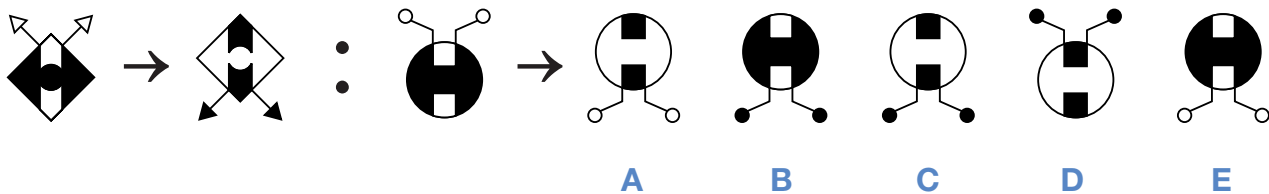
34



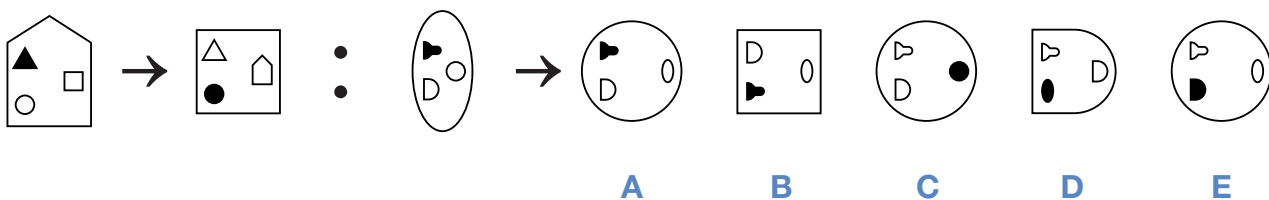
35



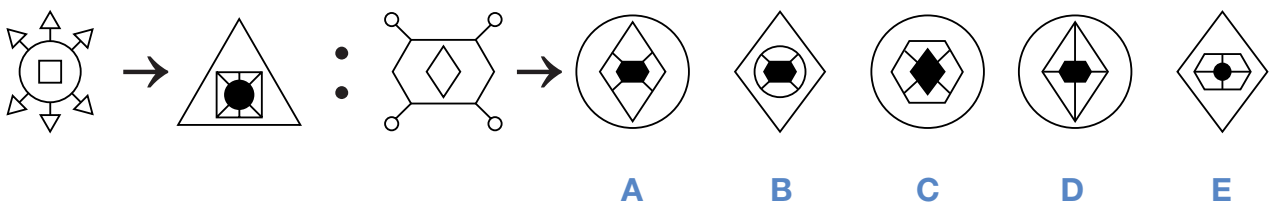
36



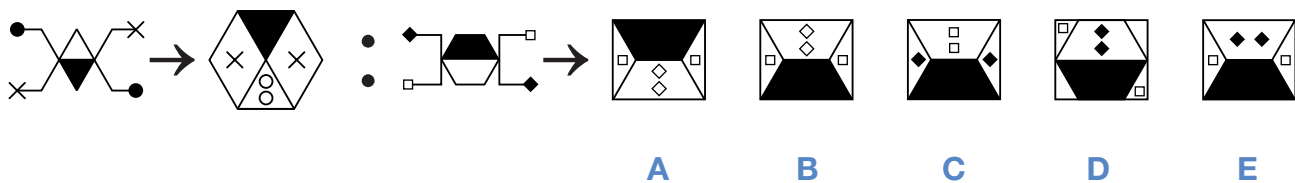
37



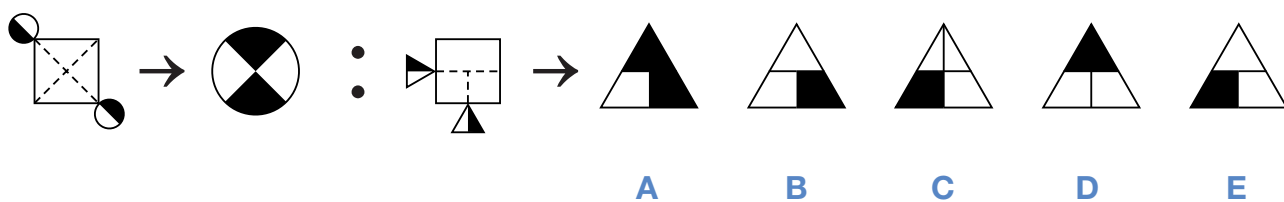
38



39



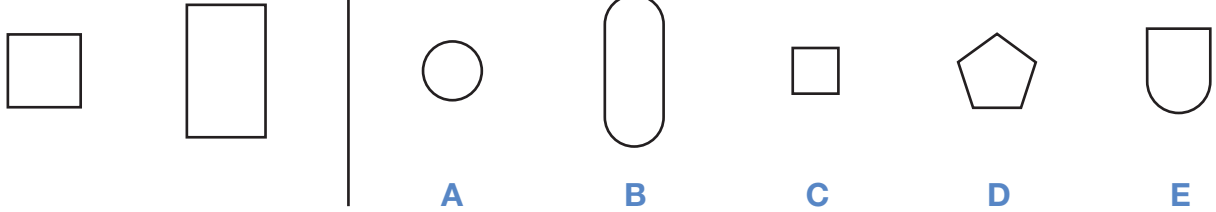
40



Section 3

On the left of the example below there are two figures that are alike. On the right there are five more figures: one of these is **most like** the two figures on the left and its letter has been marked on your answer sheet.

Example

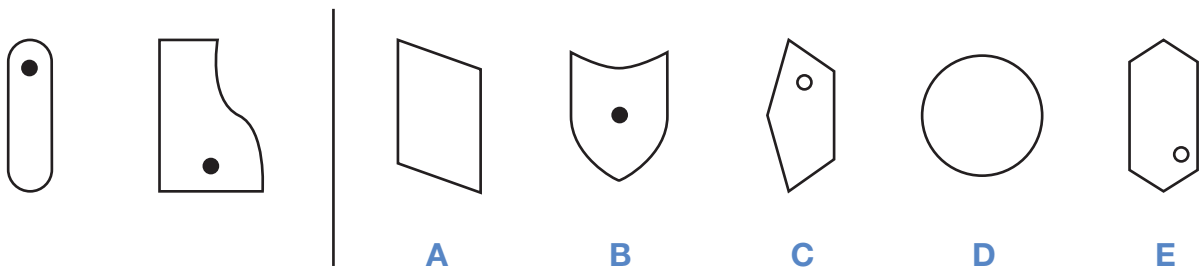


Answer: C

The two shapes on the left are alike in having four sides. They are not identical (the dimensions of the sides vary) but what they share in common is having four sides.

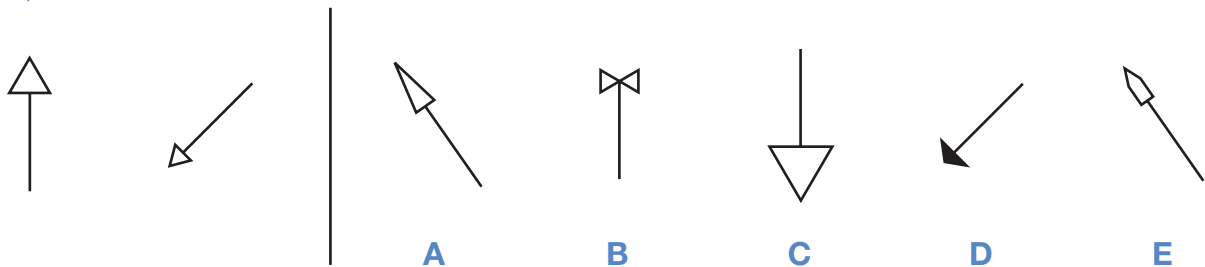
Now do the two practice questions below.

P1



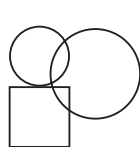
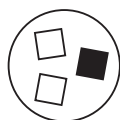
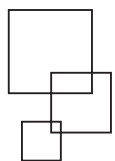
The two figures on the left both contain a small black circle. Only one of the five figures on the right, option **B**, also contains a small black circle, so this is the correct answer.

P2

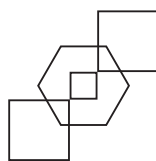


The two figures on the left have an arrow with an arrowhead which is an unshaded equilateral triangle (a triangle in which all three sides are equal). Only answer option **C** has an unshaded equilateral triangle as the arrowhead. The size of the arrowhead is irrelevant and so is the direction in which the arrow is pointing.

41



A



B



C

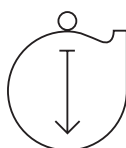
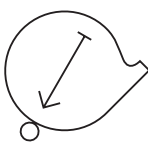
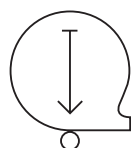


D



E

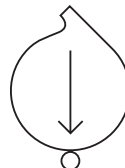
42



A



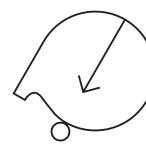
B



C

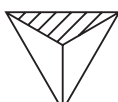


D



E

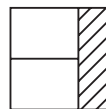
43



A



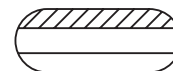
B



C



D



E

44



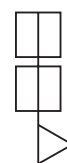
A



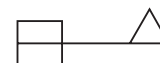
B



C

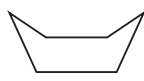
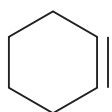


D

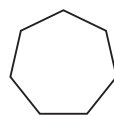


E

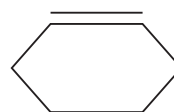
45



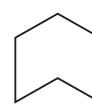
A



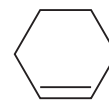
B



C

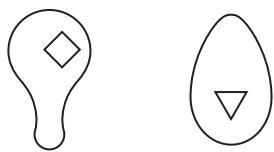


D



E

46



A



B



C

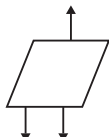
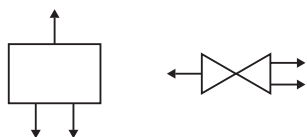


D

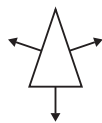


E

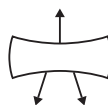
47



A



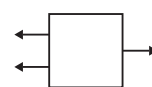
B



C

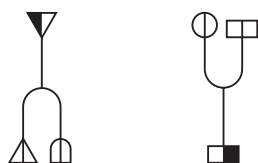


D



E

48



A



B



C

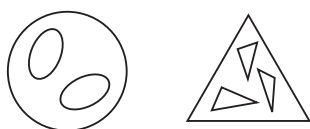


D



E

49



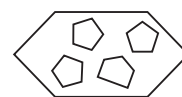
A



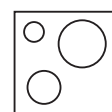
B



C



D



E

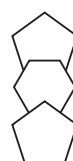
50



A



B



C



D



E

51



A



B



C

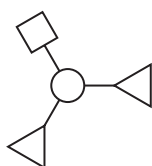
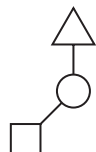
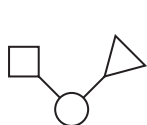


D

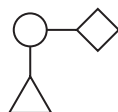


E

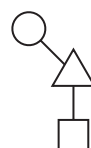
52



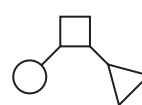
A



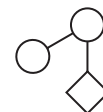
B



C

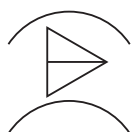


D



E

53



A



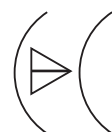
B



C

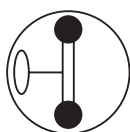
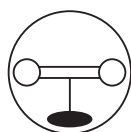


D



E

54



A



B



C

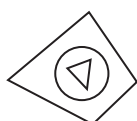


D



E

55



A



B



C



D



E

56



A



B



C

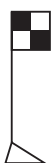


D



E

57



A



B



C



D



E

58



A



B



C

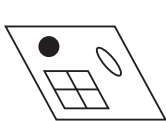


D



E

59



A



B



C



D

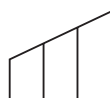


E

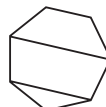
60



A



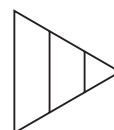
B



C



D

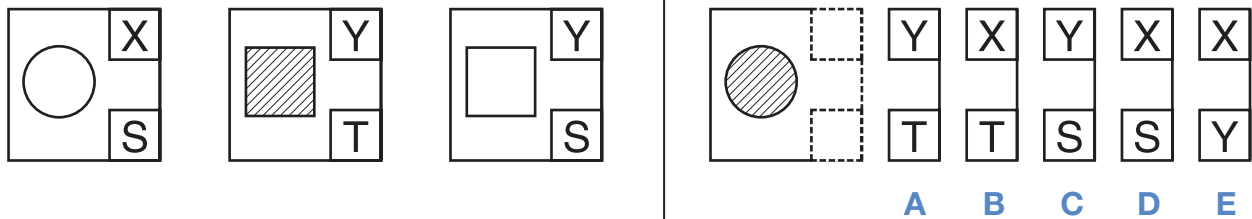


E

Section 4

To answer these questions you have to work out a code. In the boxes on the left are shapes and the code letters that go with them. The top letters mean something different to the bottom ones. You must decide how the letters go with the shapes. Then find the correct code for the **test shape** from the set of five codes on the right and **mark its letter on your answer sheet**. The examples below have been done for you and the answers marked on the answer sheet.

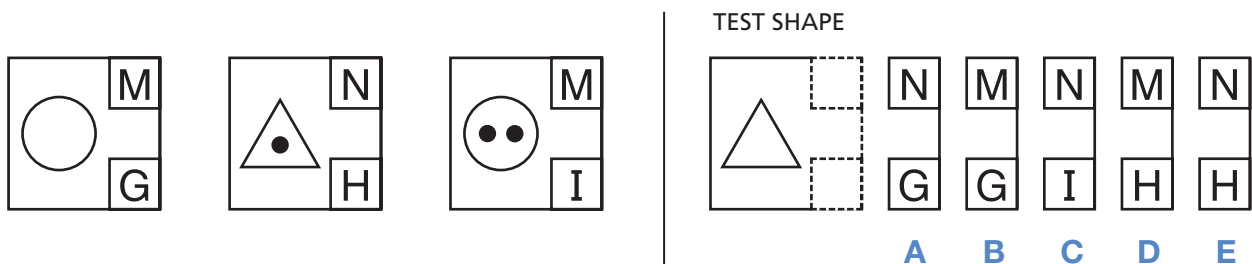
Example 1



Answer: B

In the example above, both squares have a Y at the top but the circle has an X, so the top code must be for shape. Both white shapes have an S at the bottom, but the shaded shape has a T, so the bottom code must be for shading. The test shape is a shaded circle so its code letters must be X for circle and T for shading, and **B** has been marked on the answer sheet. Now look at the second example:

Example 2



Answer: A

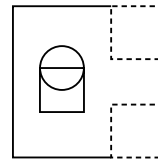
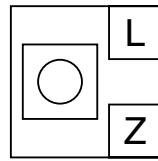
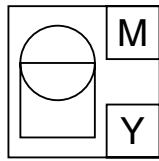
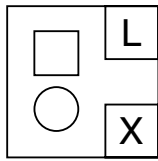
Both circles have an M at the top but the triangle has an N, so the top code must be for shape. The bottom code letter is different for each shape so G, H and I must be the codes for no dot, one dot and two dots. The test shape is a triangle with no dots so its code letters must be N for triangle and G for no dots, and **A** has been marked on the answer sheet. Now do the practice question below. **Remember there is a new code for each question.**

P1



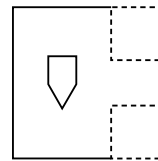
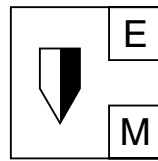
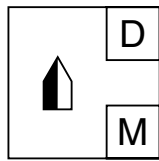
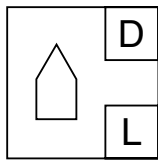
Both six-sided shapes have an R at the top and both four-sided shapes have an S, so the top code must be for the shape. The bottom codes show that both shapes with diagonal lines have an F, the unshaded shape a G and the shaded shape an H, so the bottom codes must be for the shading. The test shape is six-sided and unshaded so its code letters must be R for shape and G for shading, so **E** is the correct answer.

61



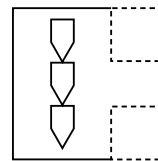
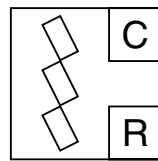
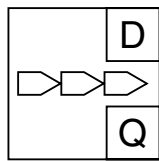
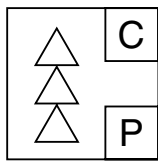
L	M	L	M	M
X	X	Y	Z	Y
A	B	C	D	E

62



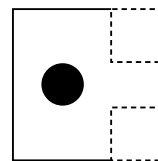
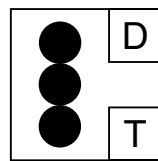
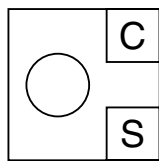
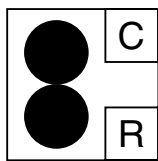
D	D	E	L	E
L	M	M	M	L
A	B	C	D	E

63



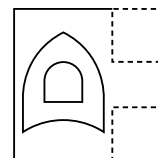
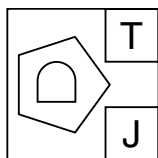
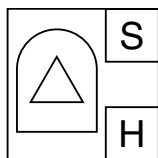
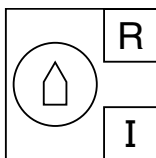
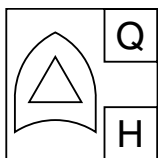
D	C	D	D	C
R	Q	P	Q	R
A	B	C	D	E

64



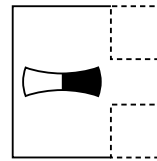
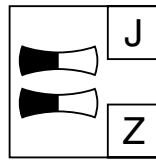
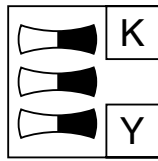
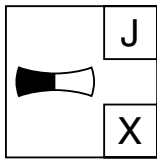
C	C	D	D	D
S	T	R	T	S
A	B	C	D	E

65



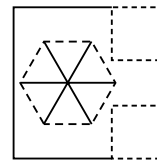
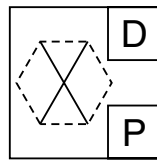
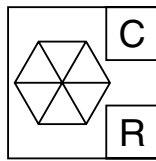
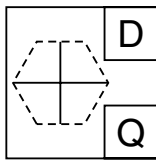
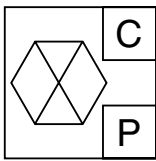
T	Q	S	Q	T
H	J	J	I	I
A	B	C	D	E

66



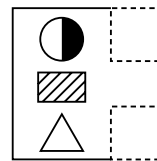
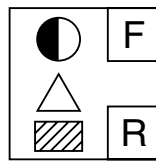
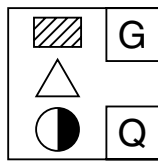
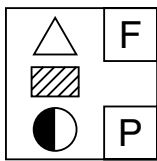
K	J	K	K	J
Y	Y	Z	X	X
A	B	C	D	E

67



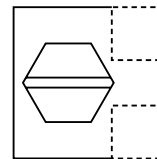
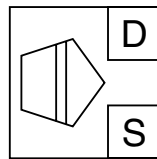
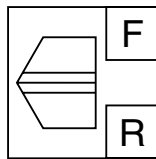
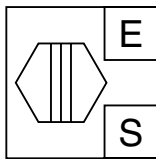
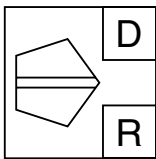
D	C	D	C	D
P	Q	Q	P	R
A	B	C	D	E

68



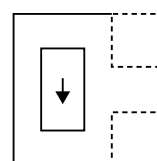
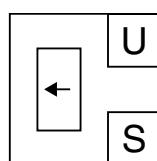
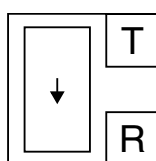
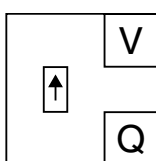
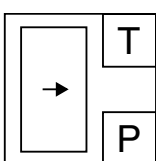
G	F	G	F	G
P	Q	R	P	Q
A	B	C	D	E

69



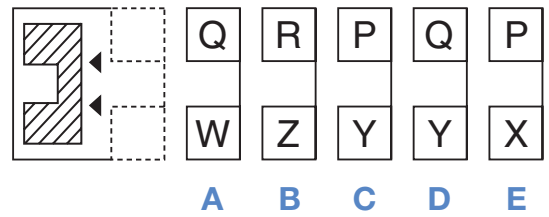
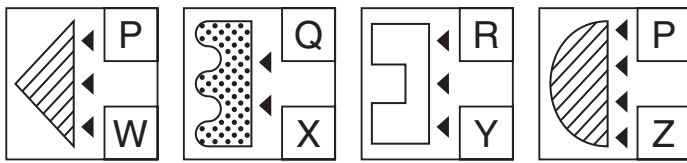
E	F	E	D	D
S	S	R	S	R
A	B	C	D	E

70

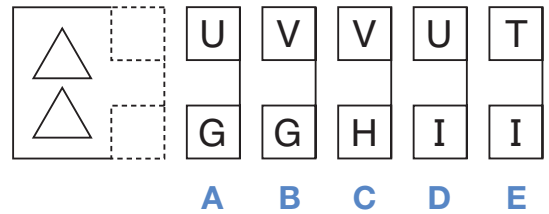
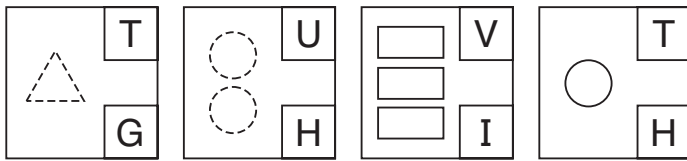


T	V	V	U	U
S	S	R	Q	R
A	B	C	D	E

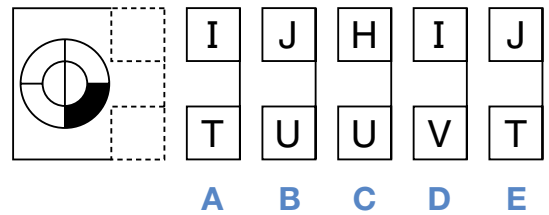
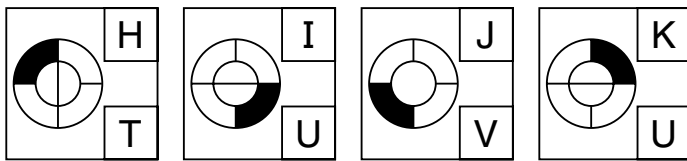
71



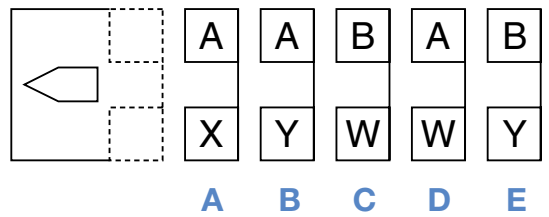
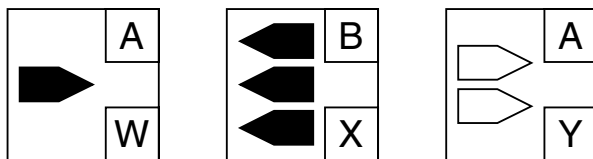
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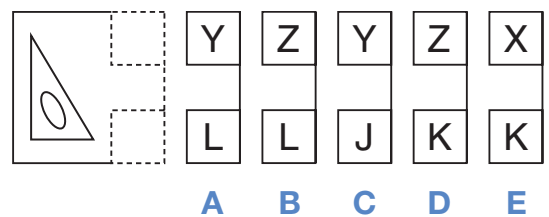
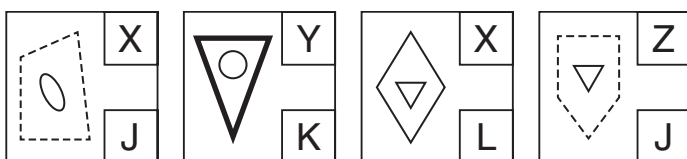
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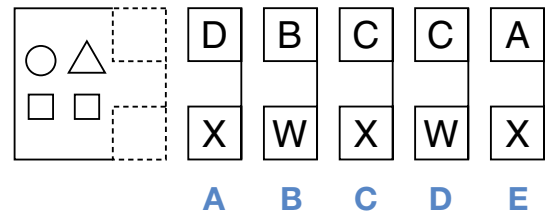
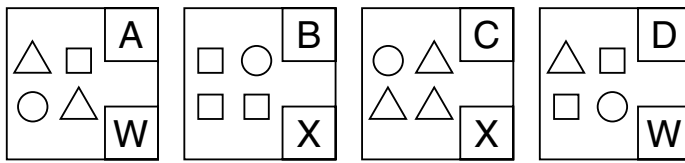
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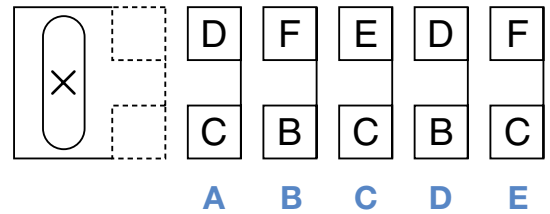
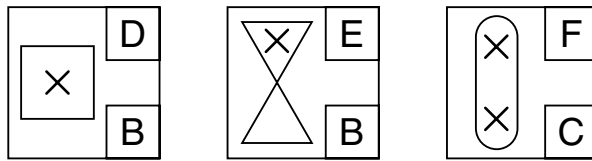
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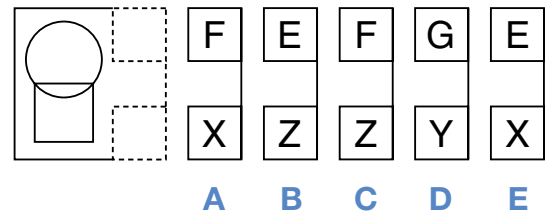
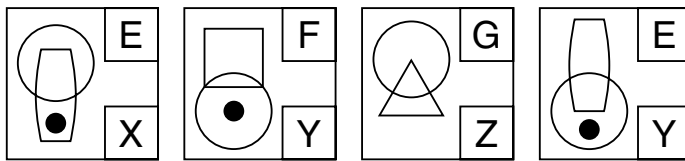
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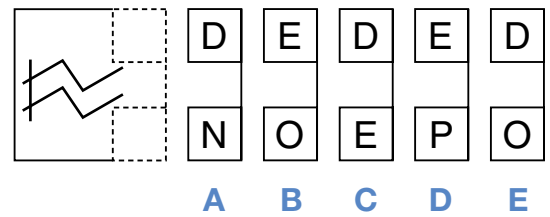
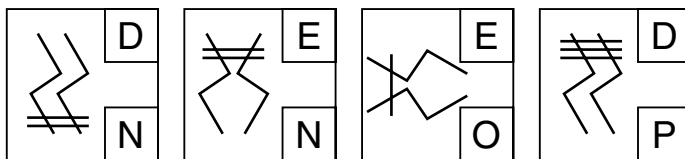
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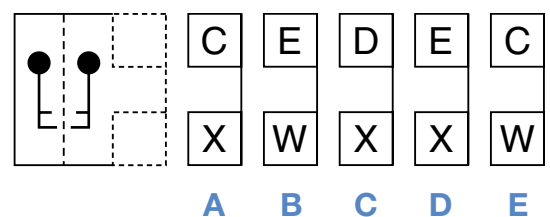
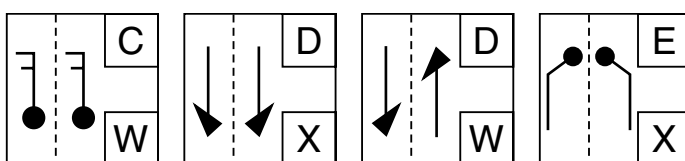
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80



Section 1: Series Completion

1) C

2) Ans: - A

3) Ans: - D

4) Ans: - B

5) Ans: - E

6) Ans: - A

7) Ans: - C

8) Ans: - D

9) Ans: - B

10) Ans: - E

11) Ans: - D

12) Ans: - B

13) Ans: - E

14) Ans: - A

15) Ans: - C

16) Ans: - B

17) Ans: - A

18) Ans: - D

19) Ans: - C

20) Ans: - E

Section 2: Analogies (Q 21-40)

21) Ans: - B

22) Ans: - D

23) Ans: - A

24) Ans: - E

25) Ans: - C

26Ans: D

27Ans: A

28Ans: C

29Ans: E

30Ans: B

31Ans: C

32Ans: E

33Ans: D

34Ans: B

35Ans: A

36Ans: E

37Ans: D

38Ans: B

39Ans: A

40Ans: C

Section 3: Classification (Q41-60)

41Ans: C

42Ans: B

43Ans: A

44Ans: D

45Ans: F

46Ans: A

47Ans: D

48Ans: B

49Ans: C

50Ans: E

51Ans: B

52Ans: D

53Ans: C

54Ans: E

55Ans: A

56Ans: C

57Ans: A

58Ans: D

59Ans: F

60Ans: B

Section 4: Coding (Q61-80)

61Ans: A

62Ans: D

63Ans: C

64Ans: B

65Ans: E

66Ans: C

67Ans: B

68Ans: A

69Ans: D

70Ans: E

71Ans: A

72Ans: C

73Ans: D

74Ans: B

M T W T F S S
☐ ☐ ☐ ☐ ☐ ☐ ☐

COMPASS

Date : _____

75 Ans L E

76 Ans L D

77 Ans L A

78 Ans L E

79 Ans L B

80 Ans L C