Psychometric Success

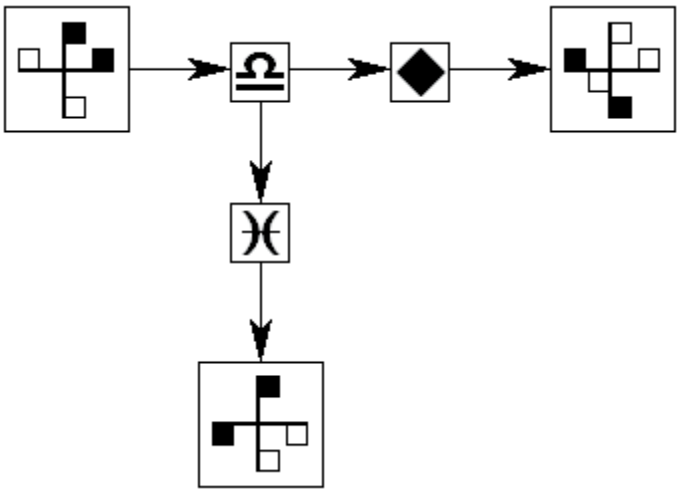
Diagrammatic Reasoning

Practice Test 1

Authors:
Paul Newton
Helen Bristoll

Diagrammatic reasoning tests are closely related to abstract reasoning tests. They are used to select information technology specialists who need to work through complex abstract problems in an analytical way. The questions consist of flowcharts or process diagrams, and measure your ability to follow a series of logical instructions or to infer rules presented using symbols.

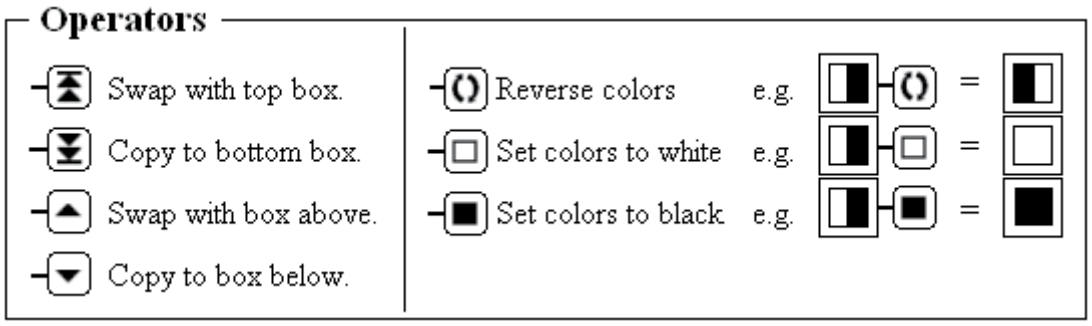
These types of questions can appear in other types of test but they are particularly suited to information technology jobs because they closely mirror the way in which analysts and programmers approach software design. As such, they could be thought of as a work sample test that is independent of any particular technology or programming language.



This diagram shows 'inputs' and 'outputs' in the large boxes. The 'operators' or 'processes' are shown in the small boxes. To answer this type of question, you need to determine what effect each of the 'operators' or 'processes' is having on the 'input' in order to produce the 'output' shown.

In other questions the operators may be pre-defined as in the diagram below. Each operator acts on a figure that it is attached to. The figure is shown in the square box, the operator is shown in the round-cornered box. The sequence of operations is always from top to bottom.

Copyright www.psychometric-success.com

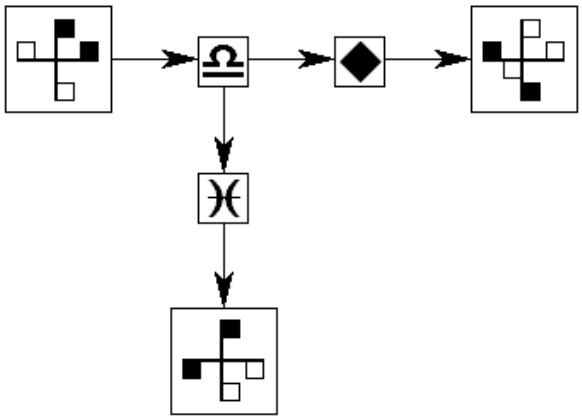


This means that you need to work from top to bottom, making a note of the effect of each operator at each stage. Remember some of the operations involve changing the relative position of figures. Therefore, subsequent operations may need to be applied to the 'new' figure—not to the one shown.

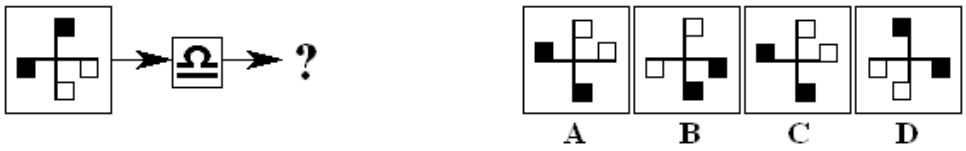
Copyright www.psychometric-success.com

Test 1—35 Questions

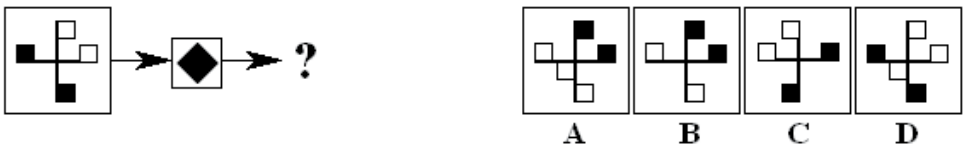
Answer as many questions as you can in 20 minutes. Circle the letter at the bottom of the page which corresponds to the correct answer.



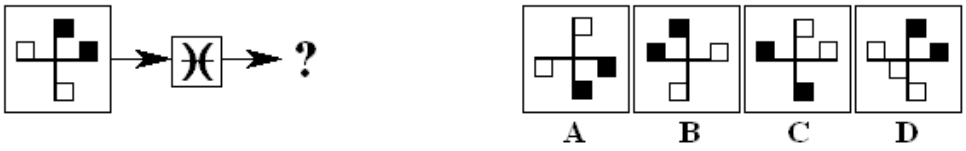
1)



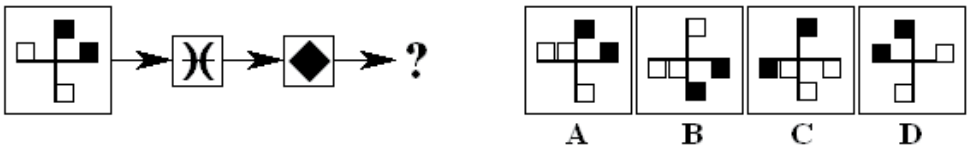
2)



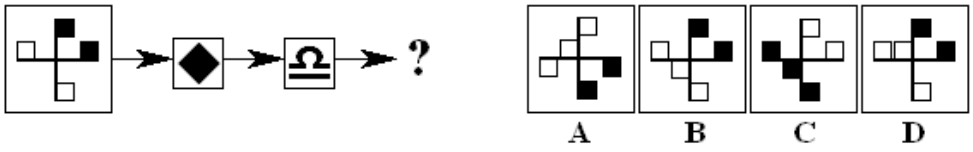
3)



4)

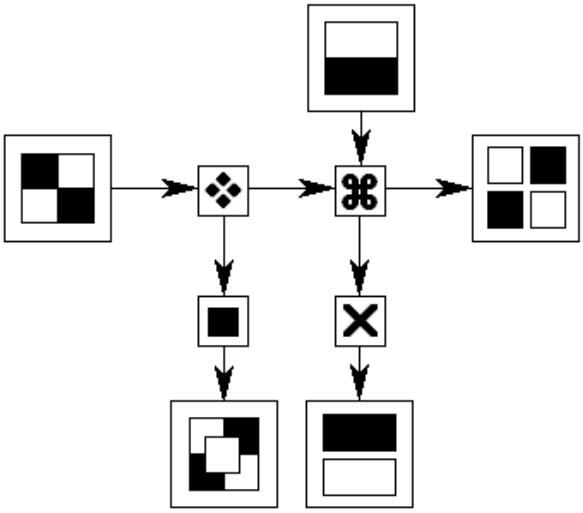


5)

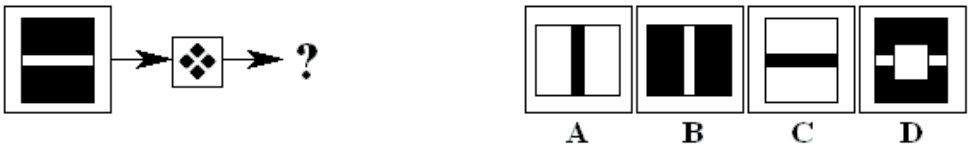


1	2	3	4	5
A B C D	A B C D	A B C D	A B C D	A B C D

Copyright www.psychometric-success.com

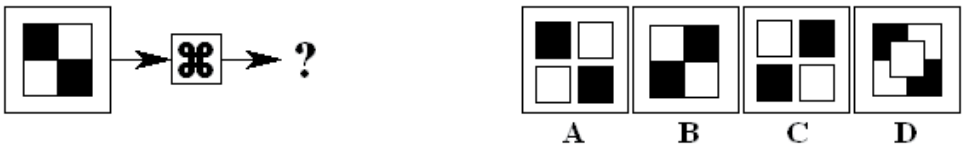


6)

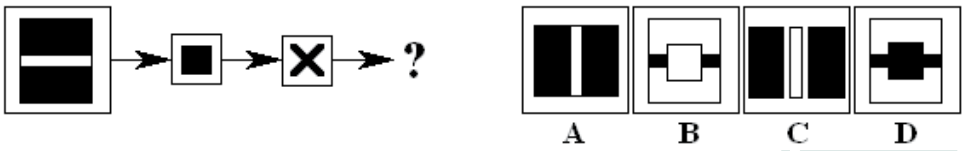


7)

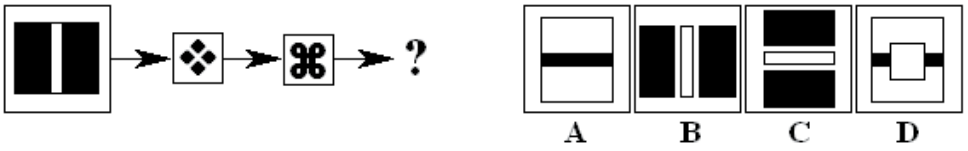
8)



9)

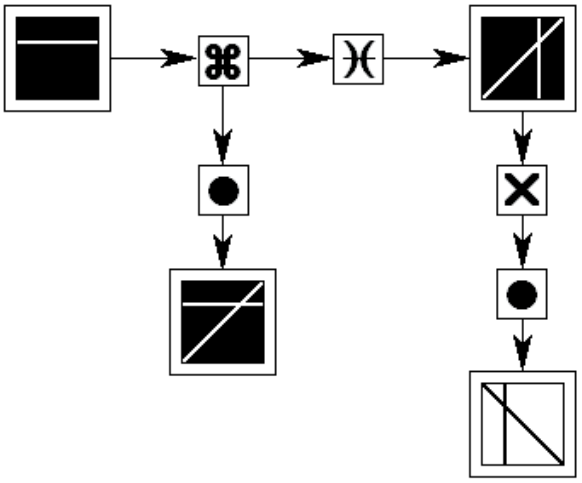


10)

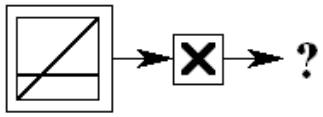


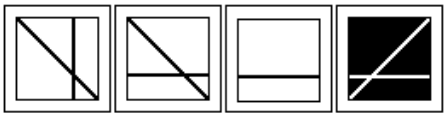
6	7	8	9	10
A B C D	A B C D	A B C D	A B C D	A B C D

Copyright www.psychometric-success.com

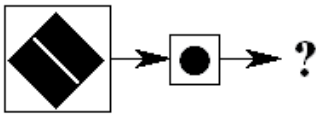


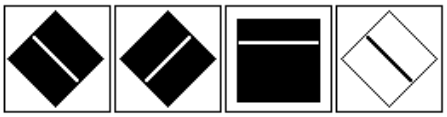
11)



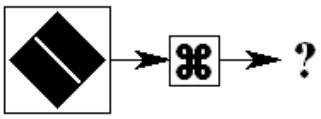


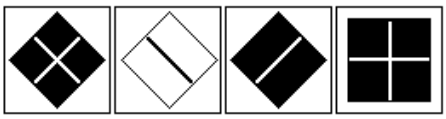
12)



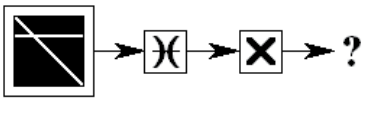


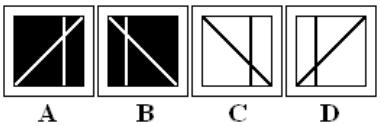
13)



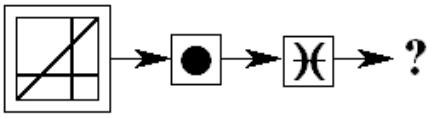


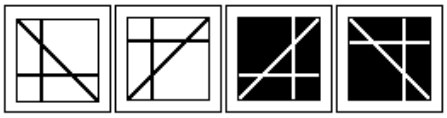
14)





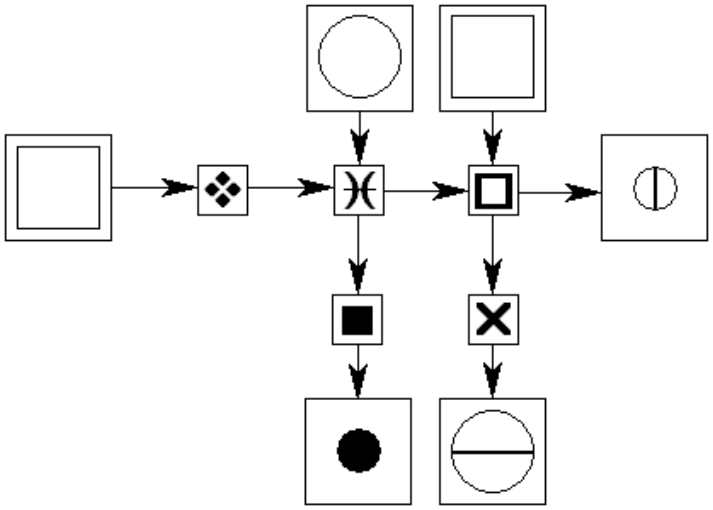
15)



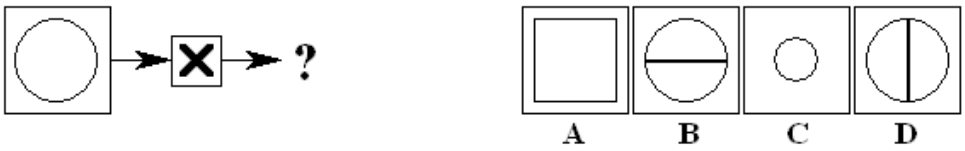


11	12	13	14	15
A B C D	A B C D	A B C D	A B C D	A B C D

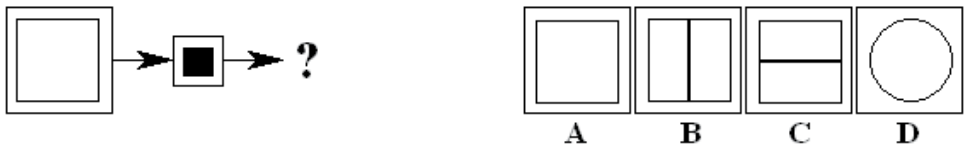
Copyright www.psychometric-success.com



16)

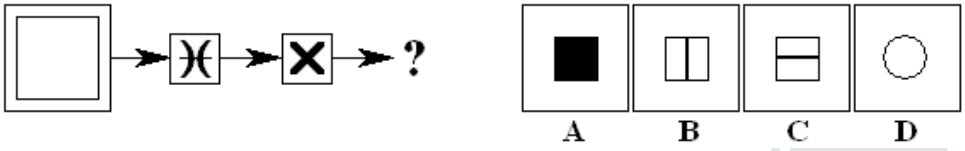


17)

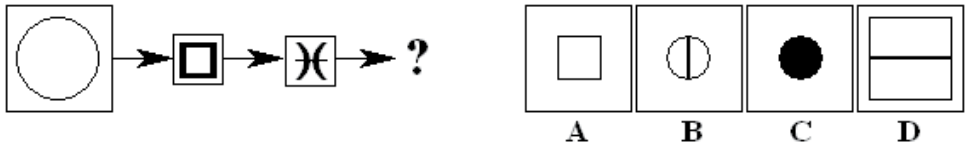


18)

19)

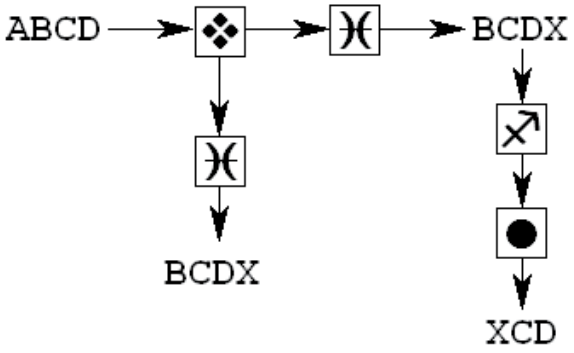


20)



16	17	18	19	20
A B C D	A B C D	A B C D	A B C D	A B C D

Copyright www.psychometric-success.com



21) ABC → ?

A	B	C	D
ABCX	CBA	ABCZ	AB

22) ABC → ?

A	B	C	D
CBA	ABCX	BC	AB

23) ABC → ?

A	B	C	D
AB	CBA	ABCX	BC

24) ABC → → ?

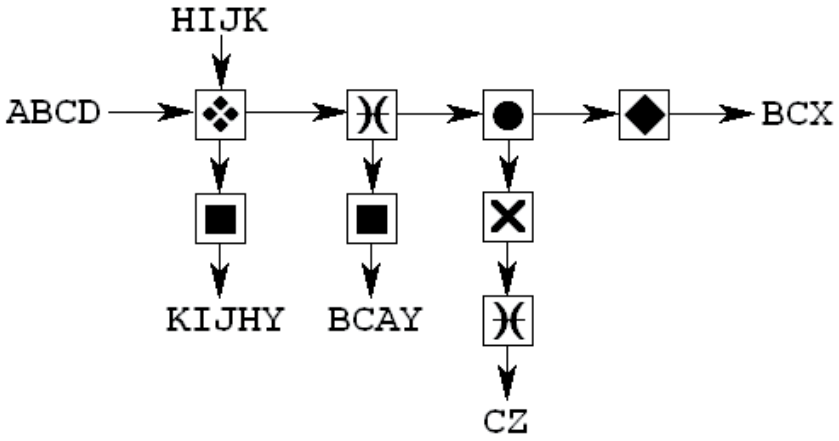
A	B	C	D
BCX	CB	ABX	CBA

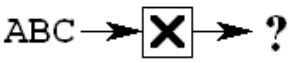
25) ABC → → ?

A	B	C	D
ACB	XBCA	BCX	CBAX

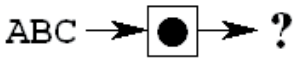
21	22	23	24	25
A B C D	A B C D	A B C D	A B C D	A B C D

Copyright www.psychometric-success.com

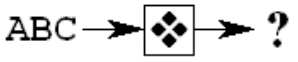


26) 

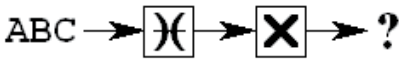
A	B	C	D
ABCX	CBA	ABCZ	AB

27) 

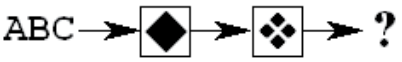
A	B	C	D
CBA	AB	BC	ABCY

28) 

A	B	C	D
AB	BC	ABCX	CBA

29) 

A	B	C	D
BCZ	CBAX	AB	CBA

30) 

A	B	C	D
YACB	XBCA	BCZ	CBAX

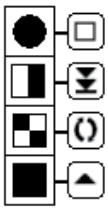
26	27	28	29	30
A B C D	A B C D	A B C D	A B C D	A B C D

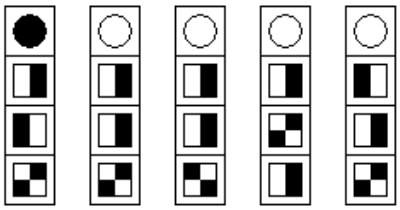
Copyright www.psychometric-success.com

Operators

- Swap with top box.
- Copy to bottom box.
- Swap with box above.
- Copy to box below.
- Reverse colors e.g. =
- Set colors to white e.g. =
- Set colors to black e.g. =

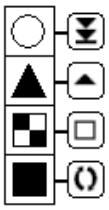
31)

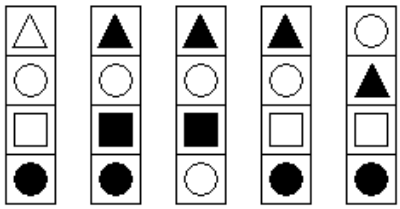




A B C D E

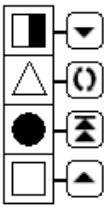
32)

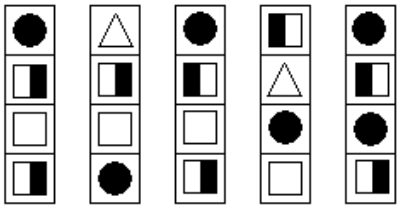




A B C D E

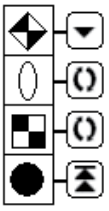
33)

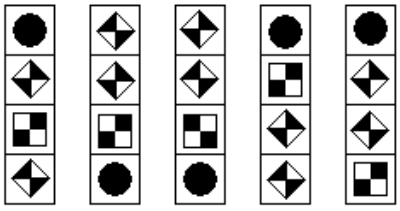




A B C D E

34)

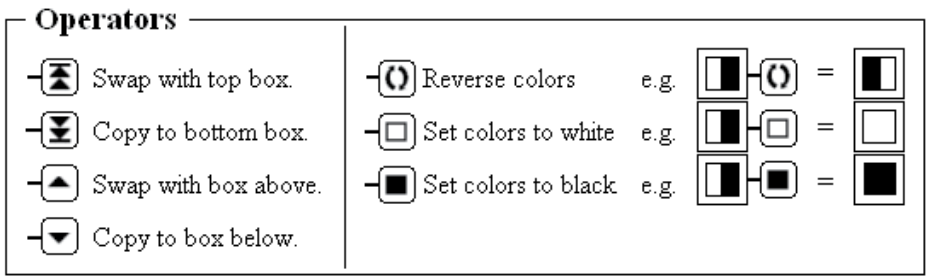




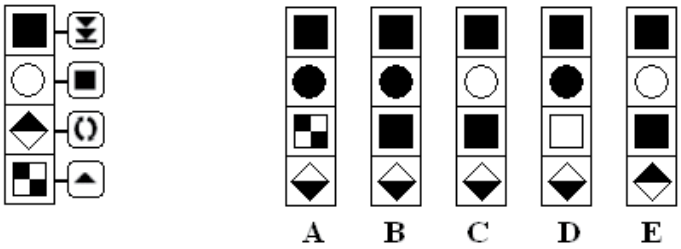
A B C D E

31	32	33	34
A B C D E	A B C D E	A B C D E	A B C D E

Copyright www.psychometric-success.com



35)



35
A B C D E

End of Diagrammatic Reasoning—Test 1

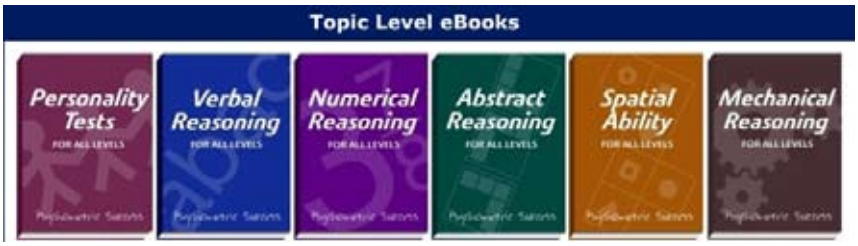
Products to Help You Succeed in Psychometric Tests

Anyone that has tried to secure a job in today's market knows that a dazzling CV and a compelling interview are simply not enough. Candidates are now faced with a rigorous assessment of their abilities and their personality in the form of a psychometric test.

Maximise your performance in under 2 weeks!

Psychometric tests are now an integral part of the recruitment process, especially when it comes to finding candidates for those coveted top jobs. So, it's hardly surprising that seemingly well-qualified candidates are being overlooked in favour of applicants that excel at psychometric tests.

So, if you want to get that all important first job, or if you are hoping to further your career, now is the time to take positive action to increase your chances of success.



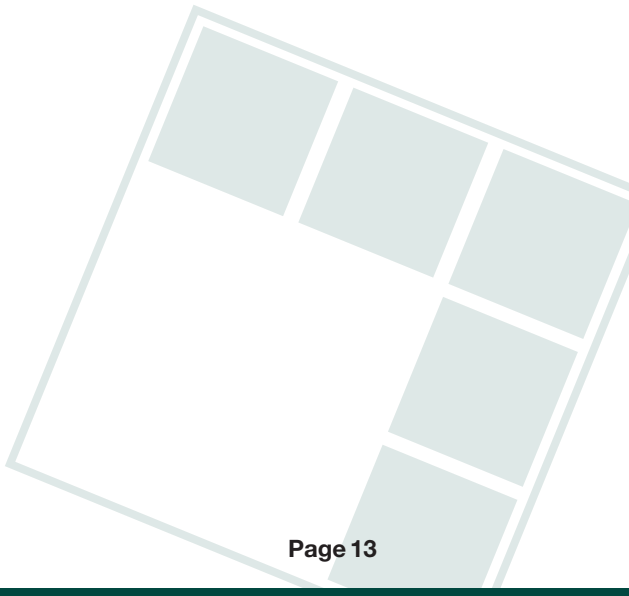
These eBooks teach you how to master specific aspects of psychometric analysis, such as numerical, verbal, abstract, spatial, mechanical reasoning and personality tests. Pass your psychometric tests with flying colours! These downloadable eBooks provide immediate access to expert know-how and essential insight that will give you the edge over the competition. Visit www.psychometric-success.com

These eBooks give you the opportunity to work through complete sets of practice questions that are used to assess candidates for specific types of work, such as management, graduate, technical, supervisory and clerical level jobs. Each one of these books is a complete solution and contains everything you need to succeed in psychometric tests no matter what level of job you are applying for.
Visit www.psychometric-success.com

Copyright www.psychometric-success.com

Answers

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



Copyright www.psychometric-success.com