

# APTITUDE TEST

*Past Questions and  
Solutions*



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## What are Aptitude Tests?

Aptitude tests are used to objectively measure a candidate's cognitive abilities, attitude, personality and knowledge. Over the years, aptitude tests have become popular in the recruitment process and are now in industries ranging from business and engineering to nursing and even civil service.

## How can I prepare for Aptitude Tests?

The best way to prepare for aptitude tests is to practice them. The more you questions you practice, the better you'll get and the higher results you'll achieve. Practice isn't about memorizing random questions though; You need to practice smartly, find out what the nature of questions you should expect, reveal which area you need to work on and follow expert advice to help you improve.

***“Practice as many past questions as you can find, get hands on information to gain the needed edge over other candidates”***

Granted that you may not have a lot of time on your hands to really do a thorough practice. We've provided 20 sample aptitude questions and answers for you to work through. Try and do each one under timed conditions without looking at the answers. Once you've completed each one, look at the answer to assess your performance and see how you can improve moving forward.

All questions are multiples choice and there is only one correct answer. Calculators are permitted, we also recommend having a pen and paper ready for rough calculations. Try to take the test in an environment where you will not be disturbed.

**If you'd like to get more aptitude test practice, you can access our huge aptitude test vault online. They're all compiled from past aptitude tests that have appeared on different companies' pre-employment assessments.**

## QUESTIONS + ANSWERS

# TEST 1

## *NUMERICAL REASONING*

### Instructions

1. Calculators are permitted for this test, and it is recommended you have some rough paper to work on.
2. You will have to work quickly and accurately to perform well in this test.
3. If you don't know the answer to a question, leave it and come back to it if you have time.
4. Each question will have five possible answers, one of which is correct.

### Recommendations

- Have a stop watch to manually time and pace yourself.
- Try to find a time and place where you will not be interrupted during the test.
- It is recommended to keep working until the time limit is up.

## Question 1

## City Population Composition (Year 2000)

	Population at start of year (thousands)	Live births per 1000 population (Jan-Dec)	Deaths per 1000 population (Jan-Dec)	% Population under 15 at start of year	% Population aged 60 or over at start of year
London	7,500	11.2	9.7	16	18
Birmingham	995	13.6	12.7	18	22
Glasgow	600	13.8	13.2	21	21
Liverpool	500	13.4	12.4	22	22
Leeds	450	14.1	13.0	23	23

How many live births occurred in 2000 in Birmingham and Glasgow combined?

- A. 21,812                      C. 16,700  
 B. 18,210                      D. 32,100

## Solution

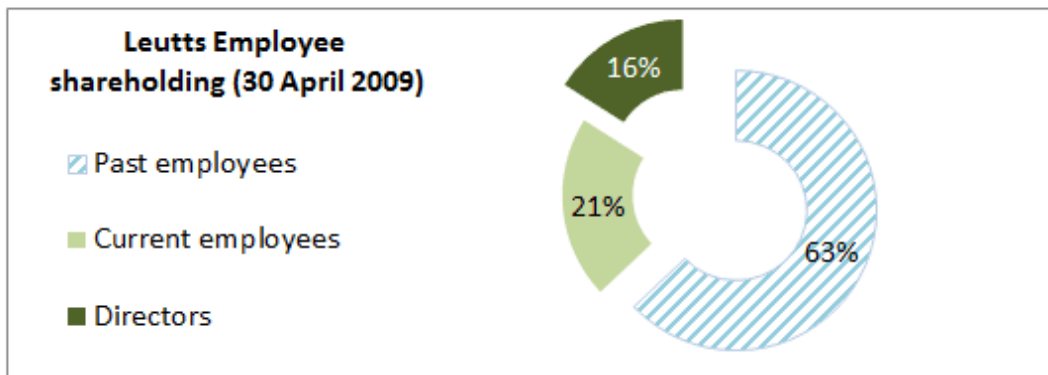
Step 1 - In Birmingham there were  $995 \times 13.6 = 13,532$  births.

Step 2 - In Glasgow there were  $600 \times 13.8 = 8,280$  live births.

In total that is  $13,532 + 8,280 = 21,812$

Thus the correct answer is (A) 21,812

## Question 2



List of All Directors	Number of Shares		
	At 1st April 2009	At 30 April 2009	At 31 <sup>st</sup> May 2009
Geoffrey Yates	1,100	1,050	910
Tobey Gilham	1,050	950	820
Susan Preddy	950	820	250
Samantha Hoxton	990	1,100	550
Trudy Stupples	1,200	960	2,400

Which of the following statements is true?

- A. Current employees and Directors owned 40% of Leutts shares on 30 April 2009
- B. The largest Director share dealing was 1,440 shares
- C. Directors held 4,870 shares in total on 30 April 2009
- D. Tobey Gilham held the most shares of any Director on 1st April 2009
- E. Each Director has less shares on 31 May 2009 compared to 1st April 2009

## Solution

**Step 1** - Go through checking whether each answer option is true or false

**Note 1** - Current employees and Directors owned 37% of Leutts shares on 30 April 2009 – not 40%. FALSE

**Note 2** - The largest Director share dealing was 1440 shares which Trudy Stupples bought between 30 April – 31st May. TRUE

**Note 3** - Directors held 4,880 shares in total on 30 April 2009 – not 4870 shares. FALSE

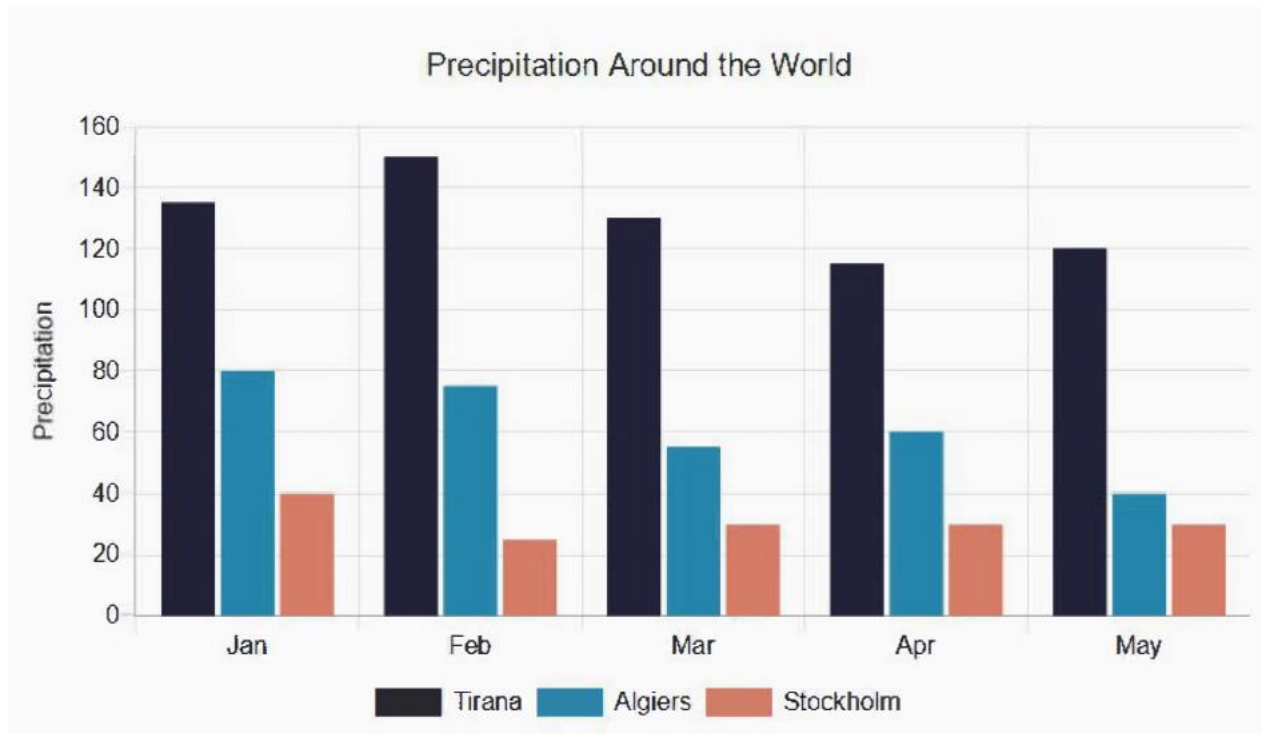
**Note 4** - Trudy Stupples held the most shares of any Director on 1st April 2009 – not Tobey Gilham. FALSE

**Note 5** - Each Director does not have less shares on 31 May 2009 compared to 1st April 2009 – Trudy Stupples has more shares. FALSE

**Thus the correct answer is (B) “The largest Director share dealing was 1440 shares”**

## Question 3

What's the difference between the average precipitation in Tirana and Algiers?



- A. 64
- B. 66
- C. 68
- D. 70

## Solution

First we work out the average precipitation for each location:

$$\text{Tirana } (135 + 150 + 130 + 115 + 120) / 5 = 130$$

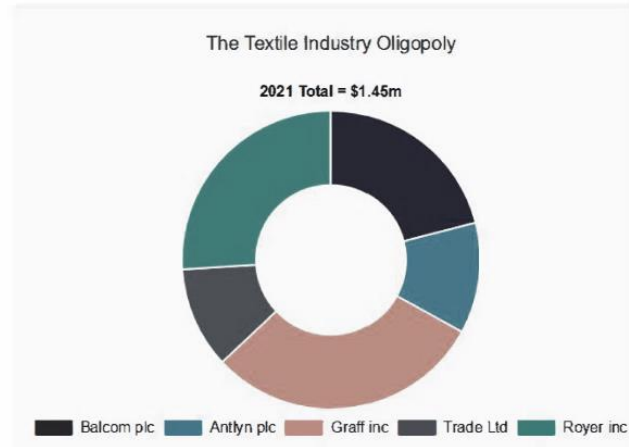
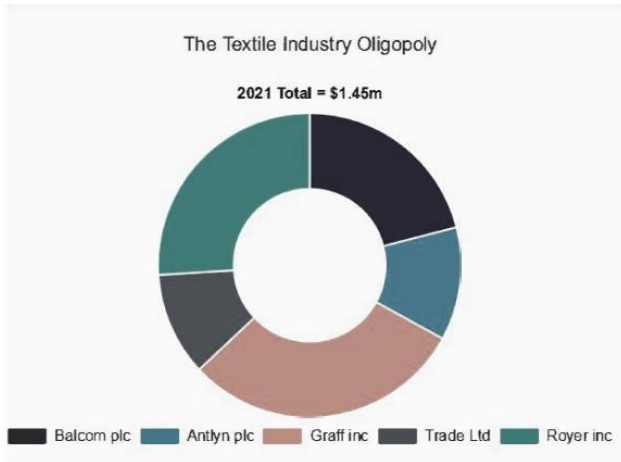
$$\text{Algiers } (80 + 75 + 55 + 60 + 40) / 5 = 62$$

Then we subtract the smallest from the largest to find the difference:  $130 - 62$

**Total = 68**

**Question 4**

What is the value of Antlyn pie's share of the textile industry in 2021 and 2022 combined?



- A. \$501 k
- B. 534k
- C. \$621 k
- D. \$1,035k

**Solution**

**Step 1:** Identify that Antlyn is represented by 12% and 18% for the two years.

**Step 2:** Identify, from the title, the value of the textile industry in each year.

**Step 3:** Multiply Antlyn's share of the textile industry in each year by the total value of the market in that year:

$$2021 = 12\% \times \$1.45m = \$174,000$$

$$2022 = 18\% \times \$2m = \$360,000$$

**Step 4:** Add the two year's together:

$$\text{Total} = \$534,000$$

## Question 5

**YLF plc – Total costs by year (£000s)**

	2006	2007	2008	2009	2010
<b>Staff costs</b>	226	234	248	230	215
<b>Property depreciation</b>	120	117	112	115	132
<b>Inventories</b>	11,410	12,505	11,842	15,322	16,420
<b>Loan impairment</b>	13	12	9	17	22
<b>Other expenses</b>	336	459	357	413	502

Which cost changed by the second largest percent from 2008 to 2010?

- (A) Other expenses
- (B) Staff costs
- (C) Loan impairment
- (D) Inventories
- (E) Property depreciation

## Solution

**Step 1** – Calculate the % change for each of the 6 costs between the years 2008 to 2010.

<b>Staff costs</b>	$215 / 248 = 0.867$ ; 13.3% decrease
<b>Property depreciation</b>	$132 / 112 = 1.179$ ; 17.9% increase
<b>Inventories</b>	$16,420 / 11,842 = 1.387$ ; 38.7% increase
<b>Loan impairment</b>	$22 / 9 = 2.44$ ; 144.4% increase
<b>Other expenses</b>	$502 / 357 = 1.406$ ; 40.6% increase

Note: be careful to note the question asks for “the second largest”. It is a common mistake to overlook this and select the largest increase.

Thus the correct answer is (A) Other expenses



## QUESTIONS + ANSWERS

# TEST 2

## *VERBAL REASONING*

### Instructions

1. You will be presented with a passage to read, and a statement about that passage. For each statement you must select one of the following answers:
  - True: The statement follows logically from the information contained in the passage.
  - False: The statement is logically false from the information contained in the passage.
  - Cannot Say: It is not possible to determine whether the statement is true or false without further information.
2. You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.

### Recommendations

- Have a stop watch to manually time and pace yourself.
- Try to find a time and place where you will not be interrupted during the test.
- It is recommended to keep working until the time limit is up.

**PASSAGE****Read the passage and answer the associated questions**

Psychotherapists recognize that the law is generally in place to uphold client-therapist confidentiality. However, there are situations that may occur where the therapist is under obligation to break that confidence. This obligation can vary depending upon where the therapist is Practicing and it may occur as a result of their employment contract or of the law. Where such an issue does occur, the therapist is expected to firstly try and discuss the presenting issue with their client; however, in situations where the factors under consideration are particularly urgent, it is accepted that this cannot always be the case.

Legitimate breaches of confidentiality relate to circumstances where the information the client has shared relates to acts of terrorism; information of this nature must be reported. There are other circumstances where breaching confidentiality may be considered legitimate, for example, in the case of serious crime or suspected child abuse. Individual employers and independent therapists have their own boundaries but must agree this contractually with their client at the outset of the therapeutic relationship.

**Question 1**

**Being obliged to break confidentiality in a therapeutic relationship is always a direct result of the law.**

- A. True
- B. False
- C. Cannot Tell

**Solution**

The law is one reason why someone would have to break confidentiality, but their employment contract is another reason why this could occur. ' .. and it may occur as a result of their employment contract or of the law.

**Question 2**

When a client reports their involvement in an act of terrorism, their therapist is legally obliged to report this.

- A. True
- B. False
- C. Cannot Tell

**Solution**

True - the passage states 'Legitimate breaches of confidentiality relate to circumstances where the information the client has shared relates to acts of terrorism; information of this nature must be reported.'

### Question 3

Therapists have some flexibility regarding what they deem serious enough to lead them to breach confidentiality.

- A. True
- B. False
- C. Cannot Tell

#### Solution

The last sentence talks about the fact that 'individual employers and independent therapists have their own boundaries but must agree this contractually with their client at the outset of the therapeutic relationship.' This therefore means that they do have some flexibility regarding what they deem to be serious enough

### Question 4

Most therapists agree with the conditions the law places on them relating to breaching client confidentiality.

- A. True
- B. False
- C. Cannot Tell

#### Solution

We know that psychotherapists recognize that the law is generally in place to uphold confidentiality but this doesn't give us any information about whether therapists agree with the law. This therefore makes this a 'Cannot tell' answer.

### Question 5

If a therapist breaches confidentiality about a serious issue without first informing their client of their intentions, they are breaking the law.

- A. True
- B. False
- C. Cannot Tell

#### Solution

Paragraph one is setting out the law in this area and we are told that therapists should try and discuss issues where they feel they need to break confidentiality with their client initially. However, we are also told that where the factors under consideration are particularly urgent 'it is accepted that this cannot always be the case.' They are therefore not always breaking the law.

## QUESTIONS + ANSWERS

# TEST 3

## *ABSTRACT REASONING*

### Instructions

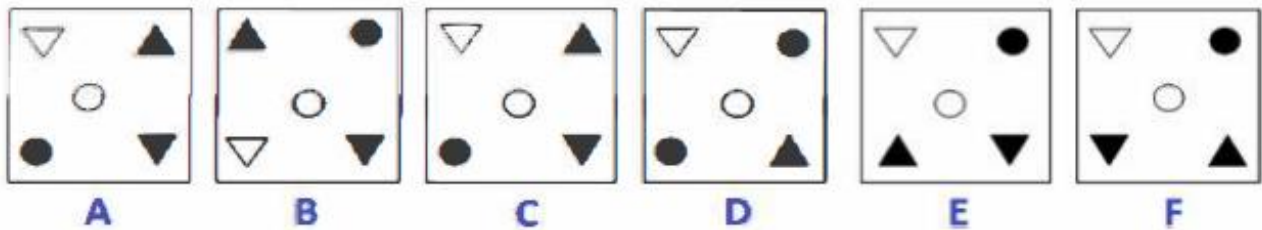
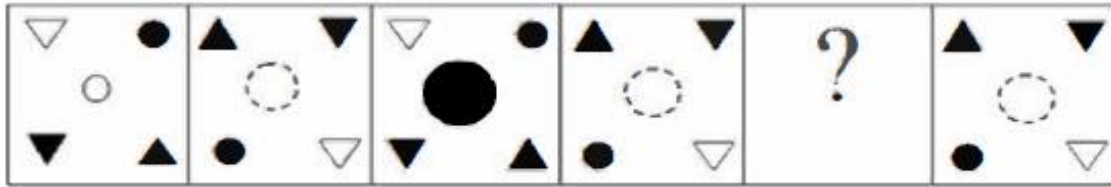
1. In each question you will be presented with a logical sequence of figures. You will need to determine which of the possible answers best replaces the question mark.
  2. You will have to work quickly and accurately to perform well in this test. If you don't know the answer to a question, leave it and come back to it if you have time.
  3. You can submit your test at any time. If the time limit is up before you click submit the test will automatically be submitted with the answers you have selected.
- It is recommended to keep working until the time limit is up.
  - Try to find a time and place where you will not be interrupted during the test.

### Recommendations

- Have a stop watch to manually time and pace yourself.
- Try to find a time and place where you will not be interrupted during the test.
- It is recommended to keep working until the time limit is up.

**Question 1**

Which is the next logical image in the sequence?



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

**Solution**

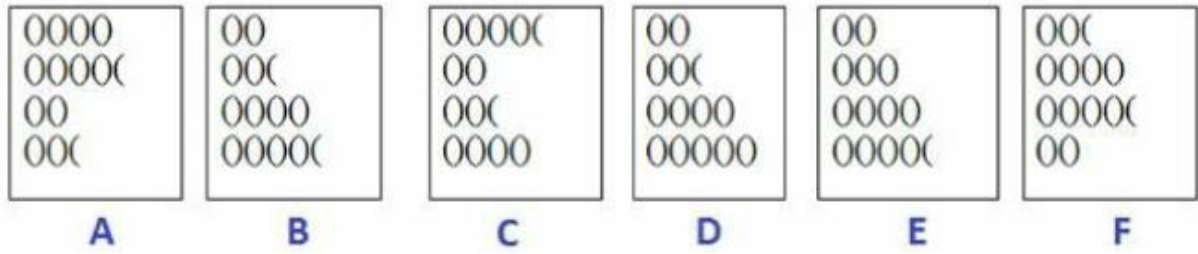
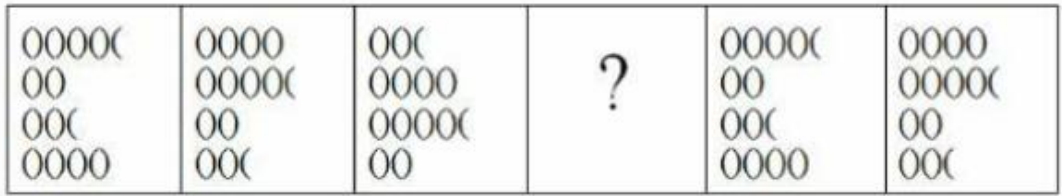
There is a central figure and four figures with one in each corner:

- I. The central figure firstly increases in size over a series of three, then decreases in the same fashion;
- II. The central figure changes from white, to having a dotted outline, to black
- III. The four figures rotate around the four corners, moving two corners at a time.

**Correct Answer: F**

**Question 2**

Which is the next logical image in the sequence?



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

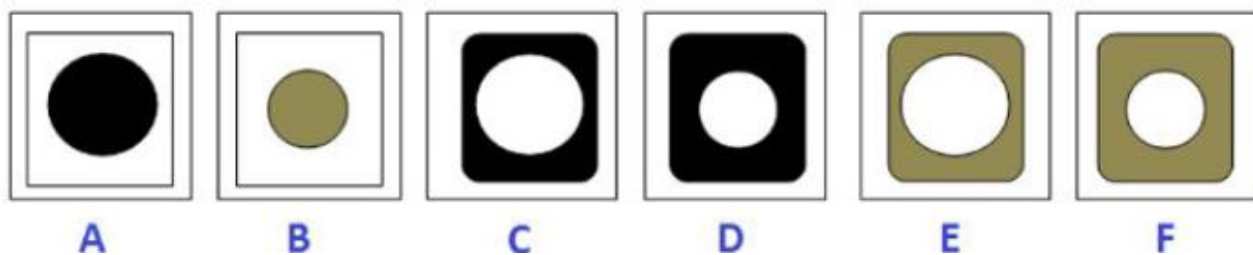
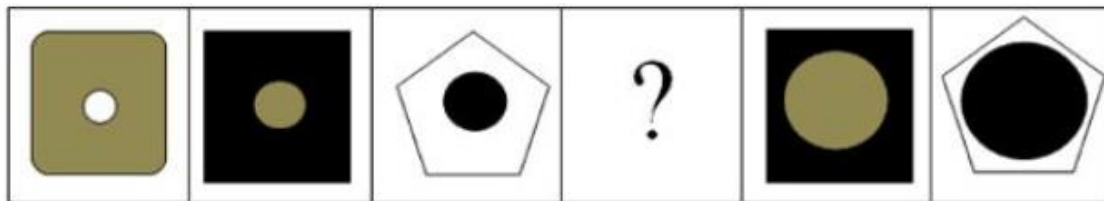
**Solution**

There are four rows, each containing a set of partially formed ovals. The same four rows appear in each block, but in a different order. In each step of the series the bottom row is moved to the top. This shifts the order of the rows, so that the first row becomes the second, the second row becomes the third and so on.

**Correct Answer: B**

**Question 3**

A B C D Which is the next logical image in the sequence?



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

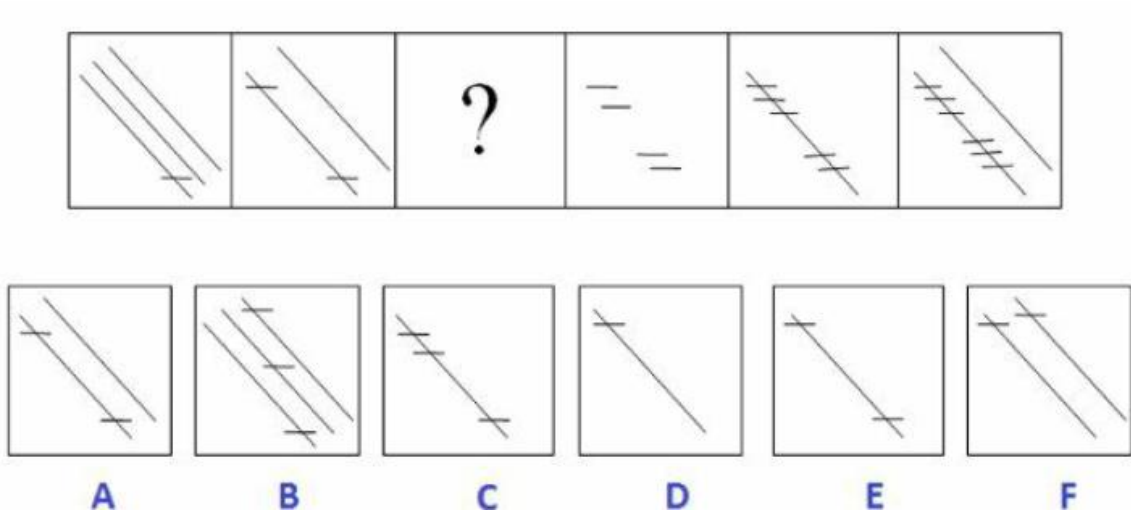
**Solution**

Each block in the series contains a central figure inside a larger shape: (i) The central figure firstly gradually increases in size; (ii) Secondly changes in colour from white to beige to black, then back to white and so on; (iii) The larger figure changes from a 'square with rounded corners' to a square to a pentagon, then back to a 'square with rounded corners', and so on.

**Correct Answer: F**

**Question 4**

Which is the next logical image in the sequence?



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

**Solution**

**Rule one:** the number of diagonal lines decreases by one each block until there are zero, then increases by one each block (presumably up to a maximum, but we don't know for sure). Since the second image has two lines, the third image (the one we are looking for) must have 1. C, D or F and satisfy this rule.

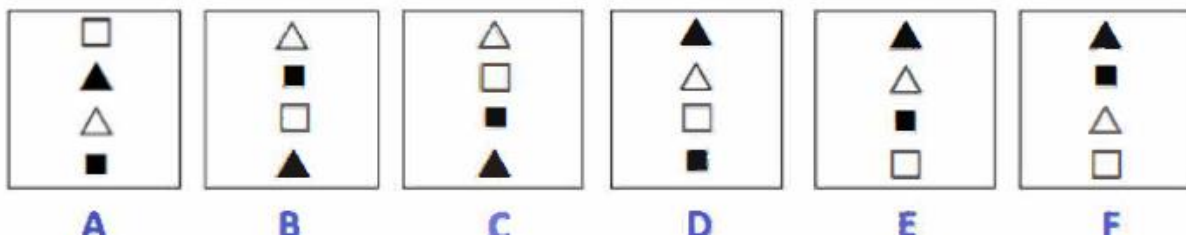
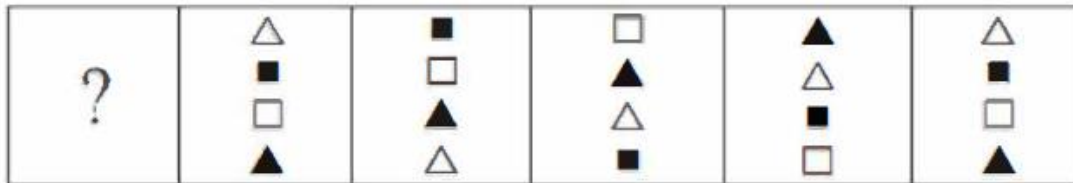
**Rule two:** one horizontal line is added to the same diagonal line from one block to the next. Therefore, the third image must contain three horizontal lines on the same diagonal. Only C satisfies this rule.

**Correct Answer; C**



Question 5

Which is the next logical image in the sequence?



- B
- C
- D
- E
- F

Solution

Each block in the series contains a column of four figures. These are always in the same order: white triangle, then black square, then white square, then black triangle. At each step in the series the top figure is moved to the bottom. Thus, the second figure becomes the first figure, the third becomes the second, and so on. At each step in the series the top figure is moved to the bottom and every other figure moves up one place

Correct Answer: E

## QUESTIONS + ANSWERS

# TEST 4

## *ERROR CHECKING*

### Instructions

For each section you will be presented with a set of data and asked to identify the correct corresponding figures from the options provided. Throughout the sections the data will be presented either in numerical, alphabetical or alpha-numerical form and may be case sensitive.

In some cases you will be asked to identify the data that differs from that provided in the question passage, again from the multiple options provided.

You will have to work quickly and accurately to perform well in this test. Please give the test your full concentration and try to remain calm and focused.

Try to find a time and place where you will not be interrupted during the test.

### Recommendations

- Have a stop watch to manually time and pace yourself.
- Try to find a time and place where you will not be interrupted during the test.
- It is recommended to keep working until the time limit is up.

## Question 1

Identify the errors and select correct option from the table above.

A	jon@entreprise.co.uk
B	jon@entrepriese.ck
C	jon@entreprise.ck
D	jo@entreprise.ck
E	jon@jontreprise.ck

- A
- B
- C
- D
- E

## Solution

Jon@entreprise.ck

## Question 2

Identify the errors and select correct option from the table above.

A	bb239a@wanderlust.com
B	bb239@wanderlust.com
C	bb239a@wanderlus.com
D	bb238a@wanderlust.com
E	bb239a@wandelust.com

- A
- B
- C
- D
- E

## Solution

bb239a@wanderlust.com

## Question 3

Identify the errors and select correct option from the table above.

<i>A</i>	suzy.mallett@bbc.co.uk
<i>B</i>	suzy.malet@bgc.co.uk
<i>C</i>	suzy.malett@bgc.co.uk
<i>D</i>	suzy.mallett@bgc.co.uk
<i>E</i>	suzy.mallett@bg.co.uk

- A
- B
- C
- D
- E

## Solution

suzy.malett@bgc.co.uk

## Question 4

Identify the errors and select correct option from the table above.

<i>A</i>	j.johnson@wwpschool.ac.uk
<i>B</i>	jo.jonson@wwpschool.ac.uk
<i>C</i>	j.jonson@wwpschool.ac.uk
<i>D</i>	j.jonsson@wwpschool.ac.uk
<i>E</i>	j.jonson@wwppschoool.ac.uk

- A
- B
- C
- D
- E

**Solution**

suzy.malett@bgc.co.uk

**Question 5**

Identify the errors and select correct option from the table above.

A	cpt@honeyview.es
B	cppt@honeyviw.es
C	cpt@honeyviw.ess
D	cpt@honeyviww.es
E	cpt@honeyviw.es

- A
- B
- C
- D
- E

**Solution**





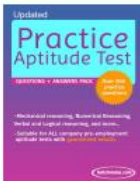











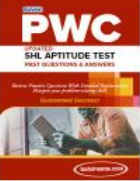

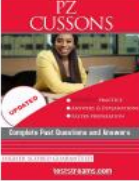





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