# JP Mock Exams

11+ Sample Paper CEM\* Style

**\*THE CEM DOES NOT PUBLISH OR ENDORSE ANY OF THESE MATERIALS** 

This paper is roughly half the size of a full length CEM\* paper and mock.

Work through untimed or timed. Timing suggestions are at the start of each section.

	Real	Our
	11+	Mock
		Exams
Pupils all sit at their own desk in the exam room	<	<
All instructions and timings are on an audio soundtrack.	/	/
Sections are timed separately	/	/
Answers are marked by a scanning machine	/	/
Common 'core' sections	/	/
Unusual and unfamiliar sections	/	/
Juice and biscuits during the break	/	/
Results back the next day		/
Full breakdown of scores on each section of the paper		/
Detailed guidance on how to improve each section		
Average/high/low scores on each paper to monitor progress		

# JP Mock Exams

**Pupil Details:** 

Surname:

Forename: Date of Birth:

# Sample 11+ Paper

#### **MARKING INSTRUCTIONS**

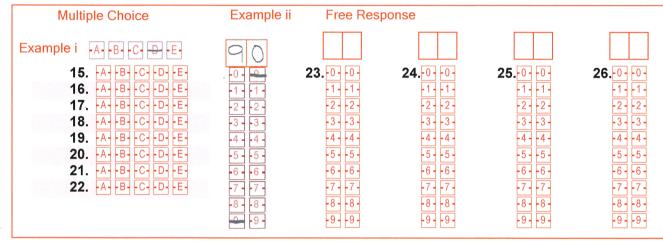
Check that you are marking the answer for the correct question number and mark <u>one</u> box only.

Use an HB pencil and mark answers like this:

-A-

Synonyms	Comprehension
Example i -ABCDE-	
<b>1.</b> -ABCDE -	<b>9.</b>
<b>2.</b> - A B C D E -	<b>10.</b> FA - FB - FC - FD -
3ABCDE-	<b>11.</b> - A B C F - D -
<b>4.</b> FA-FB-FC-FD-FE-	12ABCD-
5. FA-FB-FC-FD-FE-	<b>13.</b> -ABCD-
6. FA-FB-FC-FD-FE-	14. FA - FB - FC - FD -
7. FATEBTECTEDTET	

#### **Mathematical Ability**



#### Shapes

Similars	Sequences	
Example i -A -B -C - D -E	Example ii -ABCDE-	
27. A B C D E 28. A B C D E 29. A B C D E 30. A B C D E 31. A B C D E 32. A B C D E 33. A B C D E 33. A B C D E	33.       -A       -B       -C       -D       -E         34.       -A       -B       -C       -D       -E         35.       -A       -B       -C       -D       -E         36.       -A       -B       -C       -D       -E         37.       -A       -B       -C       -D       -E         38.       -A       -B       -C       -D       -E	

#### **Verbal Ability**

Shuffled Sentences	Missing Words
	Example ii
	43. A B C D E F G H 44. A B C D E F G H
41. A B C D E F F G H I J J 42. A B C D E F F G H I J J	45. A B C D E F G H 46. A B C D E F G H
	47A-B-C-D-E-F-G-H- 48A-B-C-D-E-F-G-H- 49A-B-C-D-E-F-G-H-

#### Answer on the separate answer sheet provided.

#### Section 1 Questions which test Verbal Ability (Suggested time: 8 minutes)

#### Synonyms

Select the word that has the **SAME** or **SIMILAR** meaning to the word on the left. Mark your answer on the answer sheet by choosing one of the options. There is only one right answer for each question.

#### Example i

	A	В	С	D	E
ancient	modern	lately	high	old	variable

The correct answer is D, old. The answer D has been marked for you on the answer sheet.

1		Α	В	С	D	E
	red	scarlet	navy	azure	cyan	dark
2		Α	В	С	D	E
	coarse	fine	light	rough	heavy	linked
3		Α	В	С	D	E
	depart	return	wait	leave	arrive	vanish
4		A	В	С	D	E
	secure	unlocked	surrounded	wily	loose	safe
5		Α	В	С	D	E
5	absurd	A idiot	<b>B</b> ridiculous	<b>C</b> tired	<b>D</b> untidy	<b>E</b> chaos
5 6	absurd			_	_	
•	absurd calm	idiot	ridiculous	tired	untidy	chaos
•		idiot A	ridiculous <b>B</b>	tired <b>C</b>	untidy <b>D</b>	chaos <b>E</b>
6		idiot <b>A</b> peaceful	ridiculous B tidy	tired <b>C</b> tight	untidy <b>D</b> chaotic	chaos <b>E</b> empty
6	calm	idiot <b>A</b> peaceful <b>A</b>	ridiculous B tidy B	tired C tight C	untidy D chaotic D	chaos E empty E



#### Comprehension

Read the passage and answer the following questions.

Australia is a wonderful country comprising the mainland of the Australian continent, the island of Tasmania and numerous smaller islands. It is the world's sixth largest country by total area. The neighbouring countries are Papua New Guinea to the North, The Solomon Islands to the north east and New Zealand to the south east. Many people think that its capital is Sydney. Although that is the largest urban area, its capital is actually Canberra.

Although much of Australia is desert there is a wide range of other habitats too. There are many wooded areas with tropical rainforests in the wetter regions. Because it is such an isolated country it contains many plants and animals that have evolved over the years and are found nowhere else in the world. Animals like kangaroos, koalas and wombats have lived here in the wild for thousands of years!

- 9. Which of the following is true?
  - A. Australia is one big island
  - B. Australia is north of the Solomon Islands
  - C. Australia is lots of islands
  - D. Australia's capital is Sydney
- 10. In which direction is Australia from New Zealand?
  - A South east
  - B North
  - C North west
  - D West
- 11. Which is typically found in Australia's wetter areas?
  - A Woods
  - B Desert
  - C Kangaroos
  - D Tropical rainforests
- 12. Which is the best meaning of the word *isolated* as used in the text?
  - A Remote
  - B Friendly
  - C Big
  - D Cold
- 13. Which type of word is tropical?
  - A Noun
  - B Adjective
  - C Preposition
  - D Article
- 14. Where would you expect to read a text like this?
  - A A historical novel
  - B A fictional story
  - C A travel guidebook
  - D An encyclopaedia



#### **STOP WORKING**

You may check your answers in this section only

#### Section 2

#### Questions which test mathematical ability

(Suggested time: 8 minutes)

Work though as many questions as possible. Answer on the sheet provided

#### Example i

Calculate	19 + 41

A	В	С	D	E
51	70	50	60	59

The answer is 60 which is D. D has been marked for you on the answer sheet.

#### 15. What is the difference between 659 and 521?

Α	B	С	D	E
38	111	183	138	83

#### 16. What is 43.8 + 38.9?

A	В	С	D	E
85.17	82.7	80.1	11.2	72.8

#### 17. Calculate 25 x 40

A	В	С	D	E
1,000	5,000	12,000	100,00	40,000

#### 18. Which one of these calculations gives the answer 18?

A	В	С	D	E
8 + 7	28÷2	7 x 3	27 - 9	4 x 4

#### 19. Which of the following is a common multiple of 4 and 7?

A	B	C	D	E
24	25	28	30	36

20. A regular pentagon has sides of 10cm in length. Calculate its perimeter.

A	В	С	D	E
50cm	80cm	100cm	70cm	60cm

#### 21. The perimeter of a rectangle is 42cm. If the width is 5cm what is the length?

A	В	С	D	E
37cm	16cm	10cm	32cm	17cm

#### 22. Round 4,319 to the nearest 100

А	В	С	D	E
4,200	44,000	5,000	4,000	4,300



Go to the next page

#### Short Maths Free Response

The following questions have two digit answers. Mark the number in the top boxes of the answer sheet and complete the boxes below each number.

#### Example ii

I have 56 mice and 34 are given to me. How many mice do I now have?

#### The answer is 90. 90 has been marked on the answer sheet

#### Example

9 -0c1 c2<sup>]</sup> **□**3□ <u>-3</u>: c**4** ) c**4**: c5 c5: **□**6□ c6: c7 ) c7: **⊳8**⊐ **⊳8**= c9:

If the answer is a unit, complete the boxes with a zero in the 10s column.

Work out the following:

- 23. What is 8<sup>2</sup>?
- 24. What is the  $8^{th}$  prime number?
- 25. A train leaves Exeter at 13.25 and arrives in Taunton at 14.57. How many minutes has the journey taken?
- 26. What is the difference in centimetres between 0.3 metres and 140 millimetres?



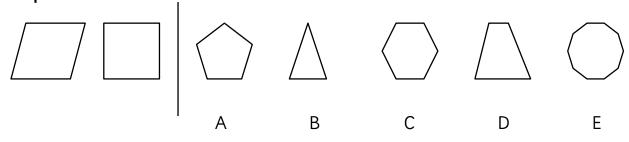
## **STOP WORKING**

You may check your answers in this section only

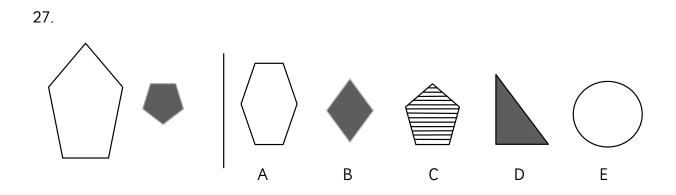
#### Section 3 Shapes (Non Verbal Reasoning)

On the left of each of the rows below there are two figures that are alike. On the right there are five more figures labelled A to E. Find which of these is most like the two figures on the left and marks its letter on your answer sheet.

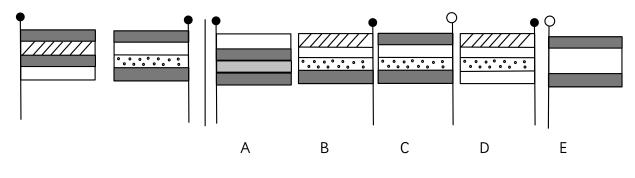
#### Example i



The correct answer is **D** because they are all **quadrilaterals**.

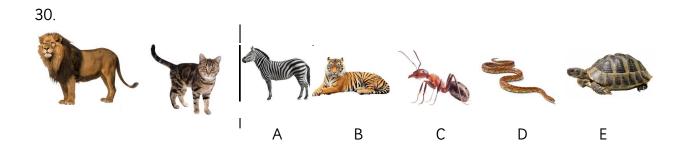


28.

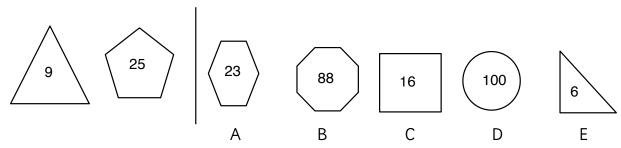


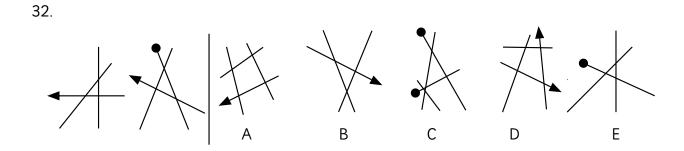


# ACHABCCHIST



31.

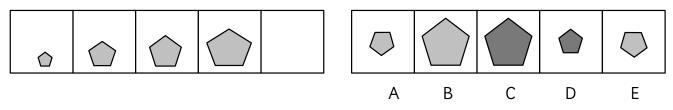






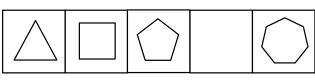
Each of these questions has five squares on the left that are arranged in order. One of the squares is missing. Find the square on the right (A-E) that should go in its place and mark the answer on your answer sheet.

Example ii

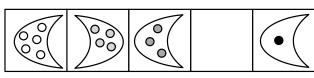


The pentagon is getting larger each time so the one that would best fit the empty square is B.

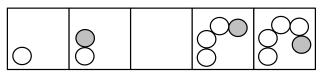
33.



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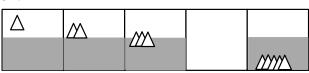
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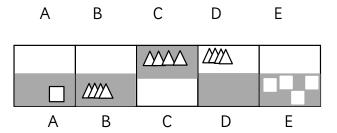


36.



37.





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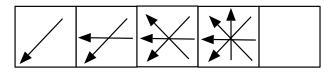
В

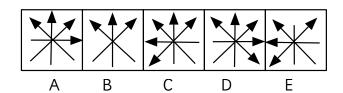
A

А

A

38.





STOP WORKING You may check your answers in this section only

#### Section 4 Questions which test Verbal Ability (Suggested time: 5 minutes)

#### Shuffled Sentences

The following are shuffled sentences. Select the word that needs to be removed so that the rest of the words make a sentence.

#### Example i

A	В	С	D	E	F	G	Н		J
best	is	ever	for	this	read	have		book	the

The sentence should read: 'this is the best book I have ever read.'

The extra word is 'for' D.

#### Mark your answer on the answer sheet

39.

Α	В	С	D	E	F	G	Н	I	J
you	cross	both	fast	if	the	always	look	road	ways

40.

А	В	С	D	E	F	G	Н		J
was	the	high	night	sky	all	aeroplane	the	earth	in

41.

Α	В	С	D	E	F	G	Н		J
the	when	lines	stage	forgot	his	audience	the	actor	laughed

42. С Ε F А В D G Η L J birthday ribbon she kitten her wore red always on а



#### Missing words

In the following text, there are words missing. Complete each sentence by selecting one word from the options A - H. Mark your answer on the answer sheet.

#### Example i Word bank

А	В	С	D	E			
lowest	smallest	animal	smelliest	highest			
Mount Everest is the <b>Example i</b> mountain in the world.							
The answer is E, highest.							

#### Trees word bank.

Use each word once.

Α	farmers			
В	disappear			
С	lightning			
D	living			

E	cattle
F	paper
G	rapidly
Η	natural

## Trees

Trees are the longest **[Question 43]** organisms on the planet and one of the Earth's greatest **[Question 44]** resources. Unfortunately trees are disappearing **[Question 45]**. This process is called deforestation. The world's rainforest could completely **[Question 46]** in less than a hundred years. Trees are cut down when **[Question 47]** need more space for growing crops or grazing **[Question 48]**. Big industries also use wood for making things, including **[Question 49]**. Wildfires are another cause of tree loss. Sometimes these fires are caused by humans and sometimes they are natural e.g. a **[Question 50]** storm.



# **STOP WORKING**

You may check your answers in this section only

#### Answers

Section 1	Section 3
Synonyms	Shapes: Similars
1. A	27. C
2. C	28. A
3. C	29.C
4. E	30. B
5. B	31.C
6. A	32. B
7. C	
8. B	Sequences
	33.D
Comprehension	34. D
9. C	35. A
10. C	36.E
11. D	37.B
12. A	38. C
13. B	

#### Section 2

14. C

Maths multiple choice
15.D
16.B
17. A
18. D
19. C
20. A
21.B
22. E
Short maths free response
23.64
24.19
25.92
26.16

### Section 4

Shuffled sentences 39. D 40. I 41. D 42. C Missing words 43. D 44. H 45. G 46. B 47. A 48. E 49. F 50. C