STIRLING TUITION SEAG Entrance Assessment



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Practice Paper 9

(Cut Answer Sheet from Back Page)

English - Practice Test

In this question there is either **one** punctuation mistake or **no** punctuation mistake. Find the group of words with the mistake in it and mark its letter on your answer sheet. **If there is no mistake, mark N**.

P1 I think that I should try to learn some spanish phrases before my holiday this summer.

A

B

C

D

A

In this question you have to choose the **best** word to complete the sentence, so that it makes sense and is written in correct English. Choose the **best** answer and mark its letter on your answer sheet.

P2

My soonest early beginning start earliest

A B C D E

memory is from the age of four on my first day of school.

In this question there is either **one** spelling mistake or **no** spelling mistake. Find the group of words with the mistake in it and mark its letter on your answer sheet. **If there is no mistake, mark N.**

P3

He waited patently for the teacher to finish before raising his hand to ask a question.



She wasn't exactly sure how old the oak tree was. Based on its size and immense, sprawling limbs, she would guess that it must be at least a hundred years old. Her grandfather had told her that oak trees could live for hundreds of years. In fact the oldest tree in Britain was thought to be over a thousand years old. Squirrels, dormice and bats all made their home in the tree as well as numerous species of birds like finches, woodpeckers, owls and blackbirds.

Answer this question. Choose **one** answer from the options below and mark its letter on your answer sheet.

P4

Which of the following is true about the tree?

- A The tree is one hundred years old.
- B The tree is a thousand years old.
- C It is the oldest tree in Britain.
- D The tree is in a park.
- (E) The exact age of the tree is not known.

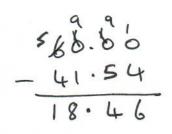
For this question, you have to write your answer in the box provided on your answer sheet (box P5).

P5

Which one word from the passage means the same as "huge"?

Immense

Maths – Practice Test





$$3x \pm 20 = \pm 60$$

$$23.95$$

$$+17.59$$

Isaac has been waiting for two new computer games to be available in the shops. Today they have both been released! They cost £23.95 and £17.59 each. Isaac has his Christmas money of three £20 notes.

How much change will he get when he buys the games?

A £60.00

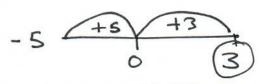
B £41.54 C £27.05

D £9.41



The temperatures in three towns on the 1st January are shown in the table below.

Place	Temperature (°C)
Bangor	6
Ballymena	-1
Newry	(-5)



By the 2nd of January, the temperature in Newry had increased by 8°C.

What was the temperature in Newry on the 2nd of January?

A 6°C



C 8°C

D 14°C E 7°C

P8

How many odd, two-digit whole numbers are there between 1-40?

A 38		В	20	С	19	D 7	E 15
		16	- 1'-	19	21	13 25 27	29 31 33
3	5,37	39	(3)	, ' ' '	1 1	23,25,27,	- ', ',

For these questions you have to **write your answers** in the boxes provided on your answer sheet (box P9 and P10). The units of measurement have been given.

P9

The first four numbers in a number sequence are given below.

320 -4 80 -4 20 -4 5 -4

What is the fifth number in the sequence?

45100

1.25

P10



m=100cm

1:47.×100 = 147

147 + 9 156

Jackson is 1.47m tall. Jackson's classmate, Lucy, is 9cm taller than him.

What height is Lucy in centimetres?

156 cm

English – Main Test

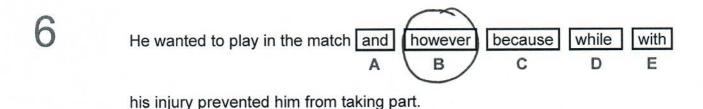
In this exercise there are some mistakes with **punctuation** or use of **capital letters**. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **mark its letter on your answer sheet**. **If there is no mistake, mark N.**

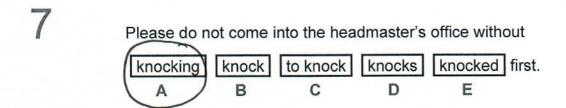
Punctuation Exercise

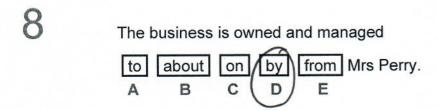
			Comm					
Venus	Williams	is one year	three mont	ths and nin	e days o	lder than h	ner sister S	erena
1	А		B	1	С		D	
							Que	stie
After a	difficult	start, he has	s really tried	hard to ra	ise his g	rades this	year, hasn'	t he
↑	Α	11	В	11	С	11	(D)	†
Charles	s Dicker	s, the famo	us author, w	vorked as a	reporte	r before wr	riting novels	s. / .
Charles	s Dicker	s, the famo		vorked as a		r before wr	riting novels	s.
†	A		<u> </u>	you'r	-e	^	D	<u> </u>
†	A	В	<u> </u>	you'r	-e	^	D	<i>↑</i> [!
†	A ill need t	В	<u> </u>	you'r	-e	petter at pl	aying the g	uitar.
You sti	A ill need t A	В	tising, but y	oure getting	g much l	petter at pl	aying the g	uitar.

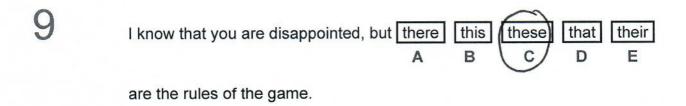
In this exercise you have to choose the **best** word, or **group of words**, to complete each numbered line so that the passage makes sense and is written in correct English. Choose the best answer and **mark its letter on your answer sheet**.

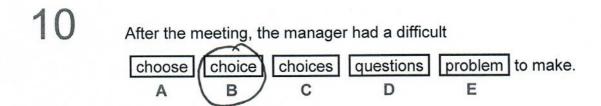
Grammar Exercise





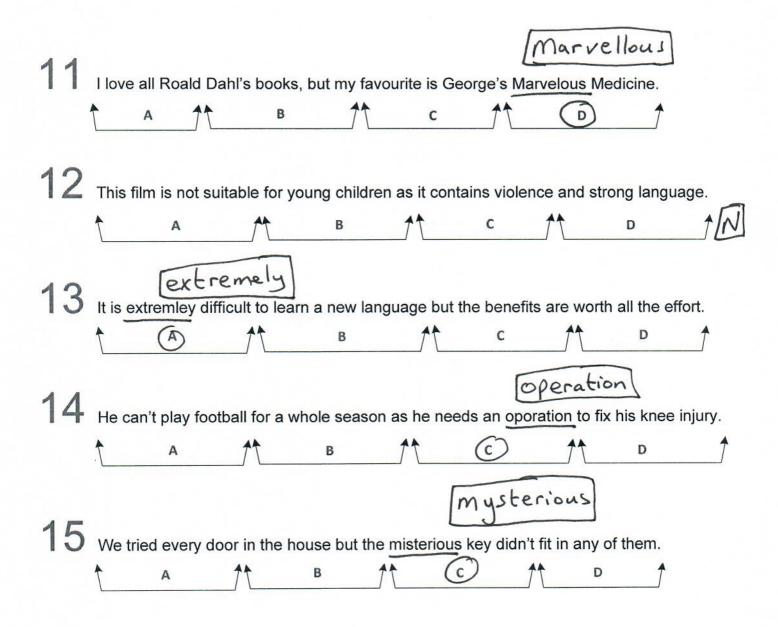






In this exercise there are some **spelling** mistakes. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **mark its letter on your answer sheet**. If there is no mistake, mark N.

Spelling Exercise



Read the whole passage carefully, then answer the questions that follow.

The Good Deed



16

- 1. The mountains soared above the glittering lagoon like sleeping giants cloaked in
- 2. emerald green bedclothes. The landscape seemed both ancient and timeless, untouched
- 3. by human hands. Beneath the rippling waves, the warm, clear tropical waters sustained
- underwater cities of coral inhabited by multitudes of fish Within the quiet waters of the
- 5. lagoon eels porpoises octopus and turtles darted and dived serenely through the coral
- 6. maze. As Timi dragged his boat across the soft, silky sand, he did not see the beauty in
- 7. front of him) The sea was a place for work, not reflection. On reaching the water, he
- 8. gave the boat one final shove. It caught the breakers and was lifted up and away from
- 9. the land.
- 10. Sitting on the edge of the boat, Timi secured his mask and dived down into the crystal
- 11. clear water surrounding the coral reef. Spear in hand, he scoured the waters for fish. On
- a good day, he could catch not only enough fish to feed his family, but he would also
- 13. have some left over to sell. With his father working away on the mainland, Timi had
- 14. been left to look after his mother and sister. There wasn't much work available on the
- tiny island, but there were always plenty of fish in the sea, so they survived.
- 16. A glint of shimmering green caught Timi's eye and he swam swiftly to catch up with the
- 17. powerful fish. He was so intent on his prey that he didn't notice he was swimming away
- 18. from the sheltered waters of the coral reef and out into the open sea. He also didn't
- 19. notice the enormous shadow looming behind him.
- 20. Having lost the fish, Timi returned to the surface and it was then that he noticed the vast
- 21. whale only feet away from him. Frozen in shock and awe, Timi marvelled at the sheer
- size of the creature. Growing up on the island he had seen many blue whales breaching
- 23. the pristine waters. It had always amazed him that something so big could also be so
- 24. graceful.

Page 9

Please go onto the next page >>>

Holding on to the boat and bobbing in the swell, Timi assumed that the whale would swim by, oblivious to the tiny interloper in its ocean home. He was surprised therefore when the whale showed no signs of moving on. While Timi had never encountered a whale before, he knew enough to understand that this was extremely unusual behaviour and that something must be wrong. Diving down and circling around the immense animal, Timi discovered that the whale's tail was caught up in a fishing net, which was making it nearly impossible for it to swim.

Timi knew that it would be foolhardy to try to help the whale. Without meaning to, the
whale could crush him with one swipe of a flipper. But Timi also knew that he could
never forgive himself if he didn't try to help this creature. He surfaced, took a deep
lungful of air and dived back down to the stricken creature. Pulling a sharp knife out of
his diving belt, Timi began to cut through the tangle of rope which ensnared the whale.

Timi's progress was painstakingly slow and he was worried that the whale might become agitated but amazingly, it stayed calm. It was as if the giant beast understood that Timi was helping. Gently and meticulously he persevered until, finally, just when he thought that his lungs would burst, the whale was free. Timi kicked desperately to the surface.

Pulling off his mask, he breathed the clean, pure air deep into his lungs and scanned the surrounding ocean for the whale. Relieved, he saw the colossal beast launching himself out of the water, spinning in slow motion and then crashing back down to the surface.

Smilling to himself, Timi could almost imagine that one flipper had been waving in his direction.

Please answer these questions. (Look at the passage again if you need to.) You should choose the **best** answer and mark its letter on your answer sheet.

- What does the story start with?
 - A narrative
 - B a question
 - © description
 - D a flashback
 - E direct speech
- 17
 "As Timi dragged his boat across the soft, silky sand.." (line 6)
 What type of literary technique is being used in these lines?
 - (A) alliteration
 - **B** personification
 - C simile
 - **D** metaphor
 - E onomatopoeia
- Look at lines 10 15.
 What does this suggest about life on the island?
 - A The people on the island don't have jobs.
 - B The people on the island do nothing all day.
 - C The people on the island are all fishermen.
 - D The people on the island survive by catching fish.
 - E The people on the island only eat fish.
- 19 "Frozen in shock and awe, Timi marvelled at the sheer size of the creature." (line 21 22) What does this suggest about Timi?
 - A Timi is extremely cold.
 - B Timi is scared by the size of the whale.
 - Timi is surprised and impressed by the whale.
 - D Timi is trying to swim away from the whale.
 - E Timi has never seen a whale before.

0	1	7
- /		1
	1	J

Look at lines 32 - 36. Why would it be "dangerous" to help the whale?

- A The whale might eat Timi.
- B Timi could drown.
- C Timi could accidently injure the whale.
- D Timi could get tangled in the ropes.
- E) The whale could accidently injure Timi.

21

"Timi kicked desperately to the surface." (line 40)

Based on what you have read in this paragraph, why is Timi desperate to get to the surface?

B

A He wants to get away from the whale.

- B) He is running out of air.
- C He needs to get home for dinner.
- D He wants to see the whale swimming away.
- E He is tired from helping the whale.

22

Why is this story called "The Good Deed"?

- A Because Timi is a good person.
- B Because Timi is good at diving.
- C Because Timi had a good time.
- D Because Timi did a kind thing by helping the whale.
 - E Because the whale and Timi became good friends.

For these questions you have to **write your answers**, neatly, in the boxes provided on your answer sheet.

23

Find an example of a simile in paragraph 1. (lines 1-9)

Like sleeping giants

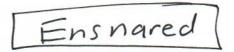
24

How many different types of animals live in the lagoon?

5 - Fish, eels, porpoises, octupus, turtles

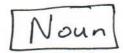
26

Which word in line 36 means the same as "trapped"?



27

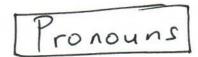
Which part of speech is "work" as it appears in the passage? (line 14)



28

Which one part of speech are the following as they appear in the passage?

he (line 6) him (line 7) it (line 8) they (line 15)



Maths - Main Test

29

Look at the function machine below.

It is incomplete because one of the boxes is blank.



When the number 11 goes into the function machine, the number 61 comes out.

What function is needed in the blank box to complete the function machine above?

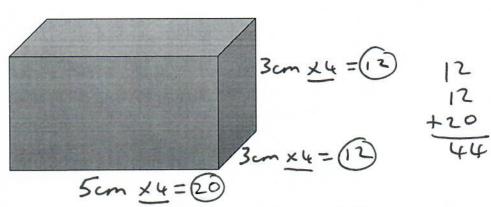
B + 12

Cx2

D - 8

E - 6

30



Tracy is measuring the different side lengths of a cuboid. The cuboid measures 3cm by 3cm by 5cm. She then adds up all the edges of the cuboid.

What is the total of all the edges of the cuboid?

A 26cm

B 45cm

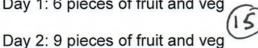
C 11cm



E 24cm

Conor completed 5 days of eating fruit and vegetables to get healthy. The mean (average) for pieces of fruit and vegetables he ate over the 5 days was 8. Below are the amounts he ate for the first four days.

Day 1: 6 pieces of fruit and veg





Day 3: 5 pieces of fruit and veg

How many pieces of fruit and veg did he eat Day 5?

Look at the five fractions below.

1ctions below.

(1) (3) (4) (5) (2)

$$1 \times 6 \quad 2 \times 4 \quad 3 \times 3 \quad 5 \times 2 \quad 7$$
 $2 \times 6 \quad 3 \times 4 \quad 4 \times 3 \quad 6 \times 2 \quad 12$
 $6 \quad 8 \quad 9 \quad 10 \quad 7$
 $1 \times 6 \quad 8 \quad 12 \quad 12 \quad 7$

When these fractions are ordered from smallest to biggest what is the middle fraction?

A
$$\frac{7}{12}$$

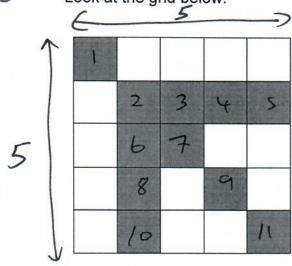
$$B = \frac{3}{4}$$

$$\left(c^{\frac{2}{3}}\right)$$

$$D = \frac{5}{6}$$

$$\mathsf{E}^{\frac{1}{2}}$$

Look at the grid below.



$$5 \times 5 = 25$$

$$\frac{11}{25} = \frac{44}{100} = 44$$

What percentage of the grid is shaded?

There are 1000 kilograms in one tonne.

0.06 tonnes are how many kilograms?

35

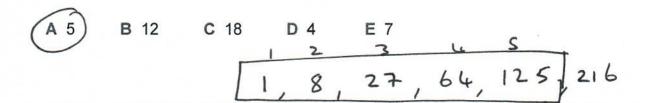
How much would 500g cost?



A £1.98

36

How many cubed numbers are there below 150?



37

A 10.55 18:55 -14:57 00:58 The timetable below shows the times of two express trains between Bangor and Belfast. Train A and train B do not stop at any of the stations except Bangor and Belfast.

Α	В	
1457	1545	
-	-	
-	108K - 108	
-	-	
Section 1		
1555	1639	
	1457 - - -	1457 1545

+34 1112 -60=1hr 52m

How long does it take train A and train B to get from Bangor to Belfast in total?

A 54m

B 1hr 32m



D 58m

E 1hr 17m

38

In a sale, a pair of shoes are reduced by one quarter. The new sale price is £18.

What was the old price of the shoes before the reduction?

A £4.50

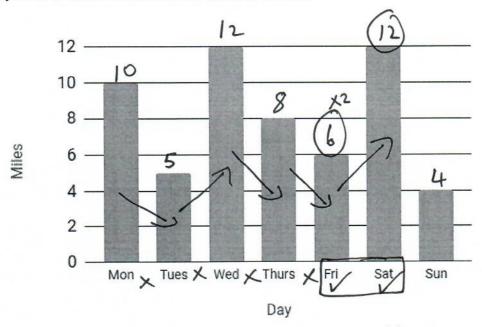
B £22.50

C £27.00

D £13.50



18+3=6 ×4 24 Annie is training for a marthon. She records the number of miles she completes each day over a week. Below is the table of results.



Over two consecutive days there was a 100% increase in the number of miles she completed.

Which two days?

- A Sat-Sun
- B Tues-Mon
- C Tues-Wed
- D Fri-Sat
- E Wed-Thurs

Sally puts her change into a piggy bank. In her piggy bank she has 40 coins.

These include:

$$1p = 5$$

$$2p = 4$$

$$5p = 9$$

$$2p = 4$$
 $5p = 9$ $10p = 12$

$$20p = 8$$

$$50p = 2$$

If she shakes it upside down, she can get a coin to come out at random.

Look at the five outcomes below:

Outcome A: The coin is a 1p. $\frac{5}{40}$

Outcome B: The coin is a 5p.

Outcome C: The coin is a 10p.

Outcome D. The coin is not a 20p. 32

Outcome E: The coin is a 2p or a 50p. 75

4+2=6

Which of the five outcomes is most likely?



EE

$$(4 \times 4) \times 4 = 64$$
 $(4^3) - 0.7$

What is the answer to the calculation above?

A 11.3



42



John and Grace love to go to the local café. John goes every 3 days and Grace goes every 5 days. They both go to the café on the 1st of March.

المراح المراح On how many days in March will they both go to the café on the same day, not including the 1st of March?

A 31

B 4

C 15



E 8

43

Jim has a triangular wall to paint. The height of the wall is 3m and the width of the wall is 6m. He can only buy the paint he needs in 2 litre tins, which covers 2m² of wall.

What is the fewest number of tins he must buy?

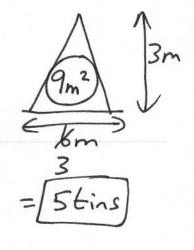


B 3

C 6

D 18

E 4



44

A map has the following scale:

1 centimetre represents 9 kilometres.

A mountain top and a restaurant are 6.7 centimetres apart on the map.

What is the actual distance between the mountain top and the restaurant?

C 9km

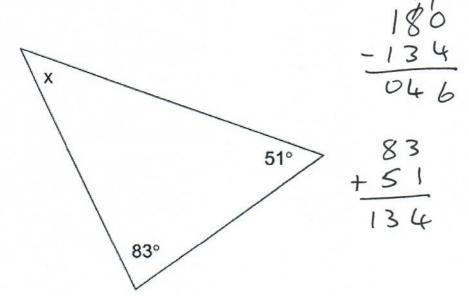
D 6.7km

E 15.7km

x6.7 lcm = 9 km x6.7 x6.7 x = 60.3 km x6.7 x = 60.3 km

45

Look at the triangle below.



What is the value of x?

A 180°

B 226°

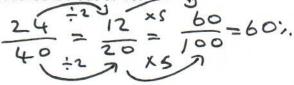
C 30°

D 54°

E 46°

Clare has recently sat an English exam. She scores 24 out of 40,

What is her score as a percentage?



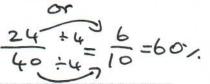
A 64%

B 16%

C 25%



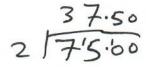
E 48%



47 BP= £125 SG= 575

Ruth has decided to go on holiday to New Zealand. She buys several things for the trip. These include a backpack, sunglasses and a new set of headphones for the plane. The back-pack costs £125. The sunglasses $\cos(3/5)$ of the amount of the backpack. The headphones cost half the amount of the sunglasses.

How much does she spend in total on the three items?



A £162.50

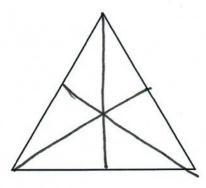
B £125.00



D £112.50 E £198.50

$$\frac{\times 3}{-5}$$
 of $125 = 75$ $\frac{025}{51125}$ $\frac{25}{75}$ $\frac{1}{2}$ of $75 = \frac{+37.50}{237.50}$

Look at the equilateral triangle below.



How many lines of symmetry does it have?



B 0

C 1

E 2

Patrick has homework to complete for his teachers tomorrow. They have given him 300 questions to do. He works out it will take him 11 seconds to do each question.

How long in minutes will it take him to complete the homework?

A 5



C 60

D 66

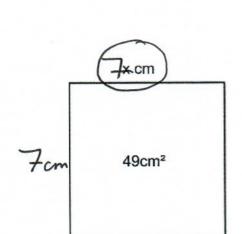
E 3300



9cm

Look at the square and rectangle below. The square has an area of 49cm².

The rectangle has an area of 36cm².



36cm²

9x4=36 36+9=4

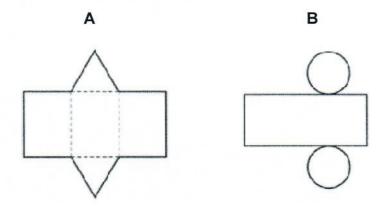
What is the difference in the value of x and y in the above square and rectangle?

7-4=3

For questions 51–56, you have to write your answers in the boxes provided on your answer sheet. The units of measurement have been given.

51

Look at the nets below labelled A and B.



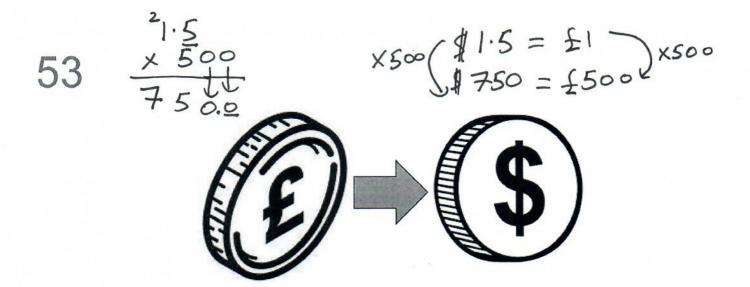
What are the correct names for the 3D shapes that these nets create when assembled? (Write two answers)

52

Jen describes two properties of a triangle she has drawn:

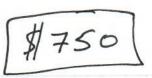
- All three sides are different lengths.
- It has two acute angles measuring 55° and 35°.

What type of triangle is Jen describing?



Grace and Matt are going on a round the world trip. They have £500 with them. They arrive in Australia. They change their £500 into Australian dollars (\$). The exchange rate is \$1.5 for £1.

How many Australian dollars with they get for their £500?



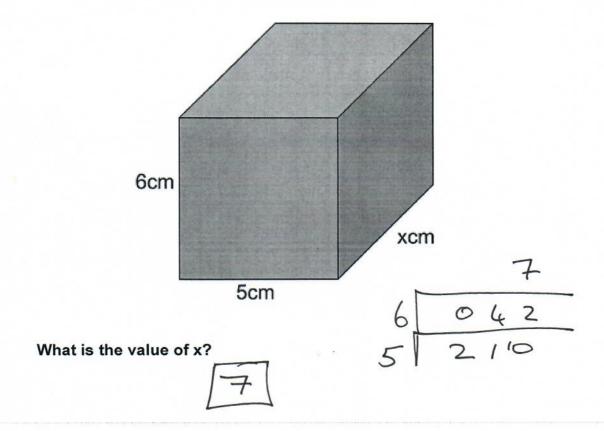
54 Look at the number written in words below:

Four million, three hundred and fifty seven thousand, eight hundred and ninety six.

What is this number in digits?

55

The cuboid below has a volume of 210cm³.



56

Look at the equation below:



Use the equation above what would be the answer to 153986 \div 64.7 = ?

2380