11+ Kent Style English and Mathematics Paper 1

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THE EXAM COACH

11+ Kent Style English and Mathematics Paper 1

Instructions:
- You have 60 minutes to answer 50 questions.
- Read the instruction given at the beginning of each section before answering the questions.
- Put a line through the correct answer in your answer booklet by choosing one of the five options for each question. Each question is worth 1 mark.
- There are 2 sections in this paper:
    1. English — 5-minute practice section + 25-minute test.
    2. Mathematics — 5-minute practice section + 25-minute test.
- The English test is first, followed by the mathematics test.
- There are 25 English questions and 25 mathematics questions.

Example:

The **Correct** way to mark your answers in your answer booklet:

Correct

A
B
C
D

The **Incorrect** way to mark your answers in your answer booklet:

Incorrect

Use a pencil to mark your answers. **Rub out any errors**, do not cross them out.
Please take care when marking your answers in your answer booklet.
Make sure you mark your answer **on the line that matches the question number and mark only one answer per line.**

Information about the test papers:
- The page number is in the top right corner of each page.
- The title of each section is provided in the box at the top of each page.

Instructions at the bottom of the pages inform you:
- If you can continue to the next page
- When you should wait for instructions before you turn the page
- When you have reached the end of a section.

The following symbols and phrases are used on the test papers.

Go to the next page.

Do not turn the page until told to do so.

Stop working and await instructions.

English Practice Section (5 minutes)

This practice section shows you examples of the types of questions you will encounter in the following English test.

Comprehension Example

Carefully read through the passage of writing and answer the questions that follow.
Mark your chosen answer for each question in your answering booklet. You will have five options (A - E).

Vikings

The Vikings were a Scandinavian people from the North of Europe. They are famous for being great sailors and warriors. From the 8th to the 11th centuries, they travelled across Europe in their long ships, attacking and then settling in areas across the continent.

1

Example Question i

i) How did the Vikings travel across Europe?

- A.   They walked
- B.   In long boats
- C.   In canoes
- D.   They ran
- E.   By car

The answer here is **B.** The Vikings travelled across Europe in "their long ships" which are the same as long boats.

Now try the following question. Remember to answer in your answering booklet.

Practice Question i

i) Where did the Vikings originate from?

- A.   Southern Europe
- B.   The continent
- C.   The sea
- D.   The 11th century
- E.   Northern Europe

Missing Word Example

Choose the best word to complete the sentence so that it makes sense and is written in correct English.
Mark your chosen answer for each question in your answering booklet. You will have five options (A - E).

Example Question ii

ii) Mars is the fourth planet from the sun and the second-smallest planet in _____ solar system.

A	B	C	D	E
your	our	hour	owe	a

The answer here is **B** because 'our' is the word that makes the most sense in this sentence. Mars is a part of 'our' solar system, so it is unlikely to be 'your'. 'Owe' and 'hour' do not make sense in this sentence and finally, 'a' suggests that Mars can be found in all solar systems, which is not true.

Now try the following question. Remember to answer in your answering booklet.

Practice Question ii

ii) In English, Mars is named _____ the Roman god of war, and is often referred to as the "Red Planet".

A	B	C	D	E
before	because	if	by	after

Spelling/Punctuation Example

In each sentence, there might be a spelling or punctuation mistake.
Choose the letter which corresponds to the part of the sentence with the mistake (A-D).
If there's no mistake, mark 'N'.

Example Question iii

In the following sentence, there may be a spelling mistake:

iii) I triped and fell into the mud when I was walking home from school today.

A	B	C	D

The answer here is **A** as 'tripped' has been spelled incorrectly as 'triped'.

Now try the following question. Remember to answer in your answering booklet.

Practice Question iii

In the following sentence, there may be a punctuation mistake:

iii) "Why do you keep asking so many questions" he asked, obviously annoyed.

A	B	C	D

END OF ENGLISH PRACTICE SECTION

- THE ENGLISH TEST BEGINS ON THE NEXT PAGE.

- YOU HAVE 25 MINUTES TO COMPLETE THE ENGLISH TEST.

- THERE ARE 25 QUESTIONS IN THIS SECTION.

- YOUR TIME WILL START WHEN YOU TURN OVER THE PAGE.

DO NOT TURN OVER THE PAGE UNTIL YOU ARE ASKED TO DO SO.

English (25 minutes)

Comprehension Instructions

Carefully read through the passage of writing, then answer the questions that follow.

Mark your chosen answer for each question in your answering booklet.

You will have five options (A - E) for each question.

The Frozen North

by Richard Mayde

As we travel northward, leaving the sunny lands of the temperate zone, we come after a time to mighty and seemingly endless forests of pines and firs. Mile after mile, they stretch away in a lonely silence. The wintry gale that rages among them is answered only by the howl of the wolf, while a few bears, reindeer, and the arctic fox, alone of animals, find a home in their snowy depths. Gradually as we go onward the trees are more stunted, gradually the pines and firs give way to dwarfed willows, and soon we come to the barren grounds, a vast region extending about the pole, and greater in size than the whole continent of Europe.   5

The boundary line of these barren grounds is not everywhere equally distant from the pole. The temperature of arctic lands, like that of other climes, is affected greatly by the surrounding seas and by ocean currents. In the sea-girt peninsula of Labrador, they reach their most extreme   10
southerly point; and, as a rule, they extend southward where the land borders on the ocean, receding far to the north in the centre of the continents.

All this vast territory is a frozen waste, its only vegetation a few mosses and lichens. The few weeks of arctic summer do not allow the growth of even shrubs. As we advance through the forests, the trees are more and more dwarfed. Soon they become merely stunted stems, for though they put   15
forth buds in summer, winter is upon them before wood can be formed. On the shores of the Great Bear Lake, it is said that a trunk a foot in diameter requires four hundred years for its formation.

A more desolate scene than the barren grounds in winter, it is difficult to imagine. Buried deep under the heaped up snows, with the winds howling across their dreary wastes, and an intense cold of which we have little idea, it is no wonder that almost no animal, save the hardy arctic fox,   20
can find a subsistence upon them.

But no sooner does the returning sun bring the short weeks of summer than all this is changed,

and they are the scene of varied life and activity. Vast herds of reindeer come from the forests to feed upon the fresh mosses, flocks of sea-birds fly northward to lay their eggs upon the rocks, and to seek their food in the rivers teeming with fish, while millions of gnats fill the air in clouds, **25** enjoying to the utmost their short lives.

And their lives are indeed short, for it is almost July before the snows are gone and the hardy lichens can send forth shoots, and by September all vegetation is again beneath its snowy coverlet for another long nine months' sleep. The reindeer have, before this, made haste to seek the shelter of the forest, the bears have disposed of themselves for their winter sleep, the birds have all sought **30** the milder region southward, and all is again silence and solitude.

1) Why does the author repeat the word "mile" in line 2?

A. To show how far he'd had to walk
B. To emphasise how large the forests are
C. Because there were two miles of forest
D. Because the word 'mile' has two meanings
E. To suggest there were multiple forests

2) "A lonely silence" (lines 2-3). Which literary technique is used in this phrase?

A. Personification
B. Alliteration
C. A metaphor
D. A simile
E. Onomatopoeia

3) Which of the following is closest in meaning to the word "barren" (line 6)?

A. Dry
B. Frozen
C. Luscious
D. Unfruitful
E. Productive

4) Why are there no "pines and firs" north of the forests (line 5)?

A. There aren't enough trees
B. They were destroyed in the past
C. They were all eaten
D. They were removed
E. The temperature is too cold for trees to grow

5) What "pole" is referred to in line 6?

A. A long icicle
B. The North Pole
C. A thin tree's trunk
D. A pole the author brought with them
E. The South Pole

6) What affects the "temperature of arctic lands" (line 9)?

    A.   The wind

    B.   The oceans and currents

    C.   Global warming

    D.   The animals

    E.   The pole

7) How long is the arctic summer?

    A.   A few hours

    B.   A few days

    C.   A few weeks

    D.   A few months

    E.   A few years

8) What is said to happen "on the shores of the Great Bear Lake" (lines 16-17)?

    A.   Trees grow quickly

    B.   Trees grow tall

    C.   Trees grow slowly

    D.   Trees die quickly

    E.   There are no trees

9) Why is the arctic fox described as "hardy" (line 20)?

    A.   Because it is small and fast

    B.   Because it likes being cold

    C.   Because its fur is hard and tough

    D.   Because it is capable of enduring the arctic conditions

    E.   Because he has a fur coat to keep warm

10) Which of the following statements is false?

    A.   Birds live at the North Pole all year round

    B.   The arctic summer is short

    C.   By September, the snow always returns to the North Pole

    D.   Most animals could not survive at the North Pole

    E.   Arctic foxes live at the North Pole

11) What type of word is "varied" (line 23)?

    A.   Adjective

    B.   Adverb

    C.   Noun

    D.   Verb

    E.   Pronoun

12) What do the bears do during the winter?

    A.   Stay awake until summer

    B.   Retreat into the forests

    C.   Go hunting

    D.   Leave the North Pole

    E.   Hibernate

13) Why does the author describe the arctic as "all … silence and solitude" at the end of this passage (line 31)?

    A.   All the animals have left or hidden away for the winter

    B.   The animals are quieter in winter

    C.   The arctic winds are quieter in the winter

    D.   All the animals have left or hidden away for the summer

    E.   The arctic is always quiet and lonely

Missing Word Instructions

In each of the following sentences, there is a missing word.

Choose the best word to complete each sentence so that it makes sense and is written in correct English.

Mark your chosen answer for each question in your answering booklet.

You will have five options (A - E) for each question.

14) I couldn't believe I had found a gold coin in the playground _____ school today.

A	B	C	D	E
by	in	at	on	or

15) I ran, as fast as a bullet, down the stairs and _____ the door open.

A	B	C	D	E
throw	throwing	went	threw	push

16) Suddenly, the ground began _____ shake violently.

A	B	C	D	E
too	two	did	done	to

17) Mum _____ me a milkshake with frozen bananas and chocolate ice cream.

A	B	C	D	E
made	make	will	ate	making

Spellings Instructions

In each of the following sentences there might be a spelling mistake. On each numbered line there is either one mistake or no mistake.

Find the group of words with the mistake and mark your chosen answer in the answering booklet. You will have four options (A - D).

If there is no mistake, mark 'N' in your answering booklet.

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18) After the accident, he was rushed to the hopsital in an ambulance.

A	B	C	D

19) Alex was looking forward to celebraiting her birthday with her family and friends.

A	B	C	D

20) Yesterday at the zoo, I saw huge elephants and scary crocodiles.

A	B	C	D

21) I went to the school dance, even thought I wasn't very good at dancing.

A	B	C	D

Punctuation Instructions

In each of the following sentences there might be a punctuation mistake. On each numbered line there is either one mistake or no mistake.

Find the group of words with the mistake and mark your chosen answer in your answering booklet. You will have four options (A - D).

If there is no mistake, mark 'N' in your answering booklet.

---

22) "I can't believe you've been given detention again" his mother cried.

A	B	C	D

23) Were going to the cinema on Friday to see a superhero film.

A	B	C	D

24) On my shopping list were: oranges bananas and chocolate chip cookies.

A	B	C	D

25) I accidentally took home Thomas school bag instead of my own one.

A	B	C	D

End of English section.

Mathematics Practice Section (5 minutes)

This practice section shows you examples of the types of questions you will encounter in the following mathematics test.

Example i

Work out the correct answer and mark your chosen answer in your answering booklet.

> **i) I think of a number.**
> **I divide it by 2.**
> **Next, I add 11.**
> **The answer is 15.**
> **What was the number I started with?**

    A.   5

    B.   8

    C.   11

    D.   12

    E.   15

The answer here is **B.**

8 $\div 2 + 11 = 15$.

Now try the following questions. Remember to answer on your answering booklet.

Practice Question i

> **i) Look at the following pattern. Which number should come next?**
>
>   1   8   16   23   46   53   ?

    A.   37

    B.   60

    C.   75

    D. 106

    E.   119

Practice Question ii

ii) Alexandra has these four cards with numbers on. How can she arrange them to make the smallest possible number?

1   4   9   3

    A.   3193

    B.   1394

    C.   1349

    D.   3941

    E.   1439

Practice Question iii

iii) What is the largest common factor of 24 and 36?

    A.   2

    B.   3

    C.   6

    D.   8

    E.   12

END OF MATHEMATICS PRACTICE SECTION
- THE MATHEMATICS TEST BEGINS ON THE NEXT PAGE.
- YOU HAVE 25 MINUTES TO COMPLETE THE MATHEMATICS TEST.
- THERE ARE 25 QUESTIONS IN THIS TEST.
- YOUR TIME WILL START WHEN YOU TURN OVER THE PAGE.
        DO NOT TURN OVER THE PAGE UNTIL YOU ARE ASKED TO DO SO
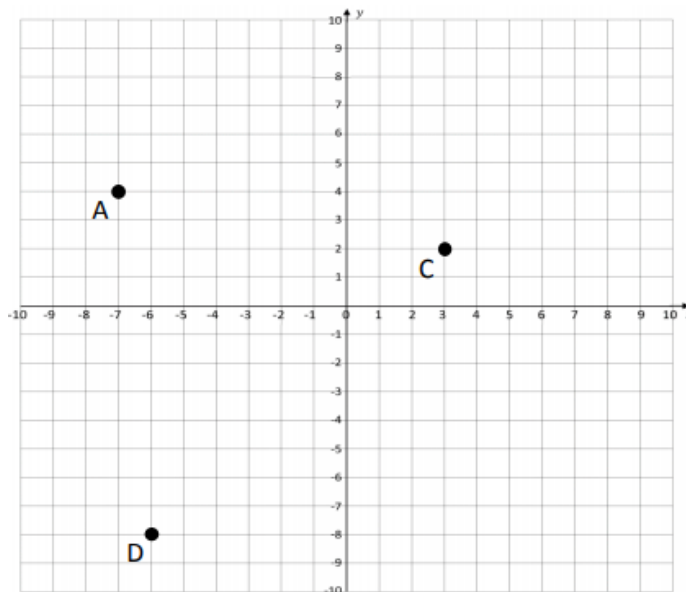
Mathematics (25 minutes)

Instructions

For each question, work out the correct answer and mark your chosen answer in your answering booklet.

You will have five options (A - E) for each question.

---

1) Suzie is now twice Beth's age. In 5 years' time, Suzie will be 21. How old will Beth be then?

 A. 8 years

 B. 12 years

 C. 13 years

 D. 15 years

 E. 18 years

---

2) Point X is a reflection of Point A in the x-axis.
  What are the co-ordinates of Point X?

 A. (7 , 4)

 B. (4 , 7)

 C. (4 , -7)

 D. (-7 , -4)

 E. (7 , -4)

---

3) Ben cycles for 6 hours and covers a total distance of 138 km. What is his speed in kilometres per hour?

   A. 17 km/h

   B. 20 km/h

   C. 23 km/h

   D. 25 km/h

   E. 30 km/h

4) A pair of boots cost £24. During a sale, the price of the boots is reduced by 20%. What is the new price of the boots?

   A. £4.80

   B. £12.00

   C. £15.60

   D. £18.80

   E. £19.20

5) Yazmin goes on 4 walks over 4 days. Her walking distances for the 4 days are 1 km, 5 km, 4 km, X km. Her average walking distance is 3 km per day. What is the value of X?

   A. 1 km

   B. 2 km

   C. 3 km

   D. 4 km

   E. 5 km

6) What is 4.07 m in millimetres?

   A. 407 mm

   B. 4070 mm

   C. 40.7 mm

   D. 0.407 mm

   E. 0.0407 mm

---

7) In an exam, Vivian scored 17 out of 20. What is her mark as a percentage?

- A. 50%
- B. 75%
- C. 80%
- D. 85%
- E. 90%

---

8) What is the reading on this scale?

- A. 0.35 °C
- B. 0.45 °C
- C. 0.40 °C
- D. 0.25 °C
- E. 0.50 °C

---

9) The length of a rectangle is four times its width. If the perimeter is 30 cm, what is the area of the rectangle?

- A. 26 cm^2
- B. 30 cm^2
- C. 36 cm^2
- D. 40 cm^2
- E. 45 cm^2

---

10) What is 1/5 of 1/4 of 100?

- A. 25
- B. 20
- C. 15
- D. 10
- E. 5

---

11) A cube has a volume of 64 cm³. What is its surface area?

A. 32 cm^2

B. 64 cm^2

C. 80 cm^2

D. 96 cm^2

E. 100 cm^2

12) Fourteen thousand, five hundred and six. How is this written in numbers?

A. 14,056

B. 1,456

C. 14,506

D. 4,506

E. 14,650

13) 34,597. What is the value of 5 in this number?

A. 5 units

B. 5 tens

C. 5 hundreds

D. 5 thousands

E. 5 hundredths

14) Don's height is 1.6 metres. If his height increases by 15%, how tall would he be?

A. 1.84 m

B. 1.85 m

C. 1.90 m

D. 1.94 m

E. 1.97 m

15) Which number should replace the question mark in the sum below?
174 x ? = 17400

A. 0.1

B. 1

C. 10

D. 100

E. 1000

16) A glass holds 300 ml of water. A water bottle holds 2 litres of water. How many whole glasses can be filled from 1 full water bottle?

A. 4

B. 5

C. 6

D. 7

E. 8

17) Which of these fractions is equal to 0.8?

A. 1/8

B. 4/5

C. 8/100

D. 0.8/10

E. 2/5

18) Which of these is the largest?

A. 0.0705

B. 0.07

C. 0.071

D. 0.07001

E. 0.0777

19) One third of the pupils in a class are boys. The rest are girls. What is the ratio of boys to girls in the class?

A. 1:1

B. 1:2

C. 1:3

D. 1:4

E. 1:5

20) How many minutes are there in three and a half hours?

A. 4

B. 60

C. 210

D. 190.5

E. 360

21) What is the solution to: 14 – 3 x 7 + 6 = ?

- A. -13
- B. 83
- C. 25
- D. -1
- E. -4

22) Which of these is not a prime number?

- A. 2
- B. 5
- C. 7
- D. 9
- E. 11

23) If x = 6, what is 3x + 4 ?

- A. 15
- B. 18
- C. 20
- D. 21
- E. 22

24) Andre has a piece of rope that is 3.64 metres long. What is its length to the nearest tenth of a metre?

- A. 2.5 m
- B. 3 m
- C. 3.6 m
- D. 3.7 m
- E. 4 m

25) Which number is exactly halfway between 38 and 62?

- A. 45
- B. 50
- C. 52
- D. 54
- E. 57

End of mathematics section and paper.