

Get Selected!

English and Mathematics

Paper 1

Instructions

- Do not begin this test or turn over the page in this booklet until you are told to do so.
- This is a multiple choice test.
- Mark your answers clearly with a single line in the appropriate box on the answer sheet, or circle the answer on the paper.
- If you make a mistake, rub out the line on the answer sheet completely and clearly mark your new answer.
- If you cannot complete a question, choose the best answer you can.
- Work as quickly and as carefully as you can.
- You have 50 minutes to complete this test, which is divided into two sections.

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SECTION 1 – COMPREHENSION

Read the following example text and look at the example questions, then wait until you are told to go on.

EXAMPLE TEXT

The Jungle Book

1 It was seven o'clock of a very warm evening in the Seonee hills when Father Wolf woke up from his day's rest, scratched himself, yawned, and spread out his paws one after the other to get rid of the sleepy feeling in their tips. Mother Wolf lay with her big grey nose dropped across her four tumbling, squealing cubs, and the moon shone into the mouth of the cave where they all lived. "Augrh!" said Father Wolf. "It is time to hunt again." He was going to spring down hill when a little shadow with a bushy tail crossed the threshold and whined: "Good luck go with you, O Chief of the 5 Wolves. And good luck and strong white teeth go with noble children that they may never forget the hungry in this world."

Rudyard Kipling, *The Jungle Book*, edited

Example Question 1

What was the first thing Father Wolf did when he awoke?

- A) Yawned
- B) Scratched himself
- C) Spread out his paws
- D) Squealed

Answer: B

Example Question 2

How many cubs did Mother and Father Wolf have?

- A) One
- B) Two
- C) Three
- D) Four

Answer: D

WAIT UNTIL YOU ARE TOLD TO GO ON

You have 25 minutes to complete this section. There are 18 questions in this section.

Read the following extract and answer the questions that follow, mark the correct letter on your answer sheet.

The Cyclone

1 Dorothy lived in the midst of the great Kansas prairies, with Uncle Henry, who was a farmer, and Aunt Em, who was the farmer's wife. Their house was small. There were four walls, a floor and a roof, which made one room; and this room contained a rusty looking stove, a cupboard for the dishes, a table, three or four chairs, and the beds. Uncle Henry and Aunt Em had a big bed in one corner, and
5 Dorothy a little bed in another corner. There was no cellar--except a small hole dug in the ground, called a cyclone cellar, where the family could go in case one of those great whirlwinds arose, mighty enough to crush any building in its path. It was reached by a trap door in the middle of the floor, from which a ladder led down into the small, dark hole.

When Dorothy stood in the doorway and looked around, she could see nothing but the great
10 grey prairie on every side. Not a tree nor a house broke the broad sweep of flat country that reached to the edge of the sky in all directions. The sun had baked the ploughed land into a grey mass, with little cracks running through it. Even the grass was not green, for the sun had burned the tops of the long blades until they were the same grey colour to be seen everywhere. Once the house had been painted, but the sun blistered the paint and the rains washed it away, and now the house was as dull
15 and grey as everything else.

Uncle Henry never laughed. He worked hard from morning till night and did not know what joy was. He was grey also, from his long beard to his rough boots, and he looked stern and solemn, and rarely spoke.

It was Toto that made Dorothy laugh, and saved her from growing as grey as her other
20 surroundings. Toto was not grey; he was a little black dog, with long silky hair and small black eyes that twinkled merrily on either side of his funny, wee nose. Toto played all day long, and Dorothy played with him, and loved him dearly.

Today, however, they were not playing. Uncle Henry sat upon the doorstep and looked anxiously at the sky, which was even greyer than usual. Dorothy stood in the door with Toto in her
25 arms, and looked at the sky too. Aunt Em was washing the dishes.

From the far north they heard a low wail of the wind, and Uncle Henry and Dorothy could see where the long grass bowed in waves before the coming storm. There now came a sharp whistling in the air from the south, and as they turned their eyes that way they saw ripples in the grass coming from that direction also.

30 Suddenly Uncle Henry stood up.

"There's a cyclone coming, Em," he called to his wife. "I'll go look after the stock." Then he ran toward the sheds where the cows and horses were kept.

Aunt Em dropped her work and came to the door. One glance told her of the danger close at hand. "Quick, Dorothy!" she screamed. "Run for the cellar!"

35 Toto jumped out of Dorothy's arms and hid under the bed, and the girl started to get him. Aunt Em, badly frightened, threw open the trap door in the floor and climbed down the ladder into the small, dark hole. Dorothy caught Toto at last and started to follow her aunt. When she was halfway across the room there came a great shriek from the wind, and the house shook so hard that she lost her footing and sat down suddenly upon the floor.

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40 Then a strange thing happened.

The house whirled around two or three times and rose slowly through the air. Dorothy felt as if she were going up in a balloon.

L. Frank Baum, *The Wonderful Wizard of Oz*, Edited

Question 1

Which word best describes the stove?

- A) Old
- B) Rusty
- C) Big
- D) Small

Question 2

How many rooms were there in the house?

- A) One
- B) None
- C) Three
- D) Four

Question 3

According to the passage, what could be reached by a trap door in the middle of the floor?

- A) A large cellar
- B) A food store
- C) A hole for sheltering from cyclones
- D) The toilet

Question 4

Which of the following phrases in the second paragraph indicates that only fields could be seen from the doorway?

- A) 'Not a tree nor a house broke the broad sweep of flat country that reached to the edge of the sky in all directions' (lines 10-11)
- B) 'The sun had baked the ploughed land into a grey mass' (line 11)
- C) 'Even the grass was not green, for the sun had burned the tops of the long blades until they were the same grey colour to be seen everywhere' (lines 12-13)
- D) 'The house was as dull and grey as everything else' (lines 14-15)

Question 5

What word is used to describe how the sun's heat had damaged the paint work?

- A) Baked
- B) Burned
- C) Scorched
- D) Blistered

Question 6

According to the text, Uncle Henry 'did not know what joy was' (lines 16-17), what does this mean?

- A) No-one had ever told him what joy was
- B) He had trouble understanding jokes
- C) He was not a happy man
- D) He worked too hard

Question 7

Which of the following adjectives indicates that Uncle Henry was harsh?

- A) Rough (line 16)
- B) Stern (line 16)
- C) Solemn (line 16)
- D) Grey (line 16)

Question 8

Toto is described as having a 'wee nose' (line 21), what does this mean?

- A) He has a wet nose
- B) He has a funny nose
- C) He has a small nose
- D) He has a big nose

Question 9

'Dorothy played with him and loved him dearly' (lines 21-22), which of the following is a synonym for 'love'?

- A) Like
- B) Close
- C) Friendly
- D) Adore

Question 10

What kind of word is 'merrily' (line 21)?

- A) Adjective
- B) Verb
- C) Adverb
- D) Noun

Question 11

What does the phrase 'looked anxiously at the sky' (lines 23-24) mean?

- A) He was worried about a storm brewing
- B) He knew that a storm would arrive soon
- C) He wanted to warn everyone
- D) He wanted to get the animals to shelter

Question 12

The colour grey is mentioned several times in the passage. Why is it used repeatedly?

- A) To emphasise the colour of the fields
- B) To add detail to the text
- C) To emphasise the dullness of life on the prairie
- D) To show that colour was important in their lives

Question 13

According to the passage, what was the first sign that a cyclone was coming?

- A) The sky was greyer than usual
- B) They heard the low wail of the wind
- C) The long grass bowed in waves
- D) They saw ripples in the grass

Question 14

From which direction did the family hear the whistling sound?

- A) North
- B) South
- C) East
- D) West

Question 15

Uncle Henry says 'I will go and look after the stock' (line 31), what does he mean by 'stock'?

- A) The house
- B) The family
- C) The sheds
- D) The animals

Question 16

Which of the following words is most similar in meaning to the phrase 'close at hand' (lines 33-34)?

- A) Worrying
- B) Imminent
- C) Distant
- D) Rapid

Question 17

What delayed Dorothy from getting into the cellar?

- A) She was hindered by the wind
- B) Aunty Em was frightened
- C) Uncle Henry was shouting
- D) She went to get Toto

Question 18

Who was the first character to enter the cyclone cellar?

- A)** Uncle Henry
- B)** Aunty Em
- C)** Dorothy
- D)** Toto

WAIT UNTIL YOU ARE TOLD TO GO ON

SECTION 2 – Mathematics

You have 25 minutes to complete this section. There are 25 questions in this section.

Question 19

What is the number one million, five hundred and nine thousand, one hundred and sixty seven in figures?

- A) 10509167
- B) 15009167
- C) 15090167
- D) 1059067
- E) 1509167

Question 20

For a party, Maya buys 22 party bags, costing 75 pence each. She wants to work out the total cost. She types the following into her calculator:

$$22 \times 0.75$$

The answer displayed was:

$$16.5$$

What amount of money does this represent?

- A) 16.5p
- B) £16.05
- C) £16.50
- D) £165
- E) 1650p

Question 21

Which of the following fractions is equal to 80%?

- A) $\frac{4}{10}$
- B) $\frac{3}{12}$
- C) $\frac{9}{11}$
- D) $\frac{4}{5}$
- E) $\frac{7}{10}$

Question 22

Which two numbers complete the following sequence?

33, 23, 13, 3, __, __

- A) -3, -13
- B) -3, -10
- C) -7, -13
- D) -7, -17
- E) 0, -10

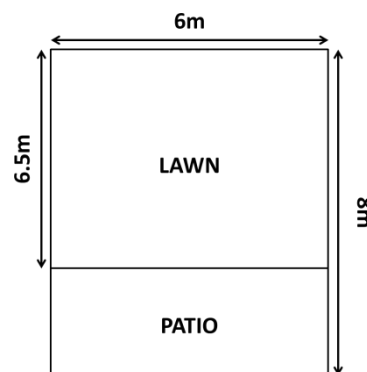
Question 23

Farid has a 660ml jug of squash that he wants to pour into glasses. Each glass can hold 120ml of liquid. Assuming Farid fills 5 full glasses, how many millilitres of squash will be left in his jug?

- A) 60ml
- B) 50ml
- C) 40ml
- D) 30ml
- E) 20ml

Question 24

Look at the plan of Martha's garden shown below.



What is the area of Martha's patio?

- A) 9m^2
- B) 9.5m^2
- C) 9.75m^2
- D) 10m^2
- E) 12m^2

Question 25

Amazing Airlines are having a sale. The cost of all fares has been reduced by 15%. A child's return to Barcelona was £70 and an adult's was £85 before the sale. What is the cost for two adults and one child to travel to Barcelona with a return ticket now?

- A) £36
- B) £76
- C) £196
- D) £204
- E) £240

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Question 26

Which of the following numbers is not a factor of 210?

- A) 2
- B) 3
- C) 4
- D) 5
- E) 7

Question 27

$$45 - x < 34$$

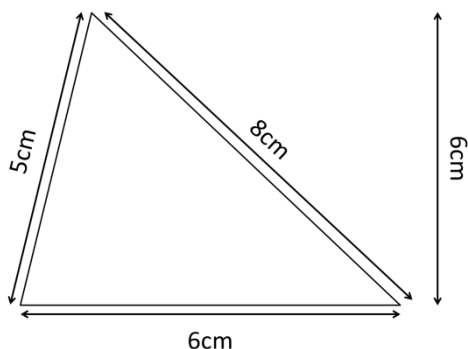
If x stands for a whole number, what is the smallest number that x can be?

- A) 11
- B) 12
- C) 13
- D) 14
- E) 15

Question 28

In a survey it was found that for every two children that were driven to school, three children walked. If the survey asked a total of 35 children, how many of those children walked?

- A) 5
- B) 18
- C) 21
- D) 23
- E) 25

Question 29

Calculate the area of the triangle

- A) 15cm^2
- B) 18cm^2
- C) 20cm^2
- D) 36cm^2
- E) 40cm^2

Question 30

Divide 445 by 14, expressing your answer to two decimal places.

- A) 32.79
- B) 32.70
- C) 31.80
- D) 31.79
- E) 31.78

Question 31

Which of the following numbers is the smallest?

- A) 0.014
- B) 0.401
- C) 0.0401
- D) 0.1
- E) 0.041

Question 32

Below is a table showing how far Carlton has run each morning:

Mon	2.6km
Tue	3.2km
Wed	2.9km
Thu	--
Fri	4.5km

How many metres in total has Carlton run this week?

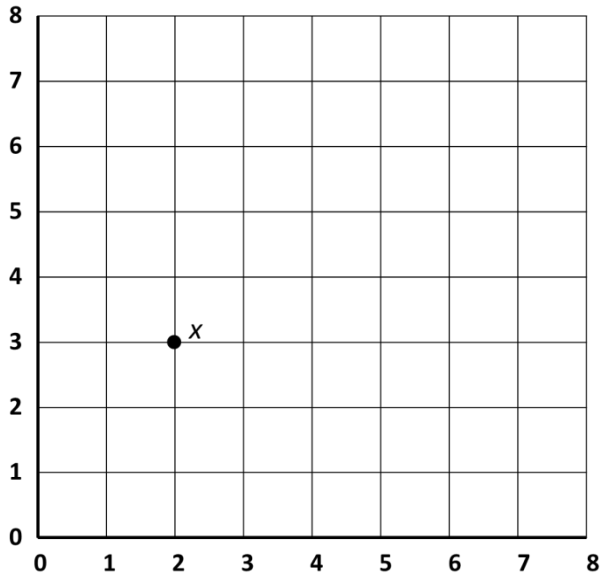
- A) 132m
- B) 1,320m
- C) 1,420m
- D) 13,000m
- E) 13,200m

Question 33

Tara is walking $5\frac{1}{2}\text{km}$. After $1\frac{3}{4}\text{km}$ she stops to buy a drink. How many kilometres does she have left to walk?

- A) $2\frac{3}{4}\text{km}$
- B) $3\frac{1}{4}\text{km}$
- C) $3\frac{3}{4}\text{km}$
- D) $4\frac{1}{4}\text{km}$
- E) $3\frac{1}{2}\text{km}$

Question 34



If Shimal is at point x on the grid and moves left two units and then up three units, at what co-ordinates will he now be?

- A) (4,5)
- B) (5,4)
- C) (6,0)
- D) (0,6)
- E) (4,6)

Question 35

Janey and Ellie are playing a number game. Janey thinks of a number, doubles it and then adds twelve. Her result is 40. If Ellie follows the same rule with her number and her result is 36, what is the number that Ellie started with?

- A) 4
- B) 6
- C) 8
- D) 10
- E) 12

Question 36

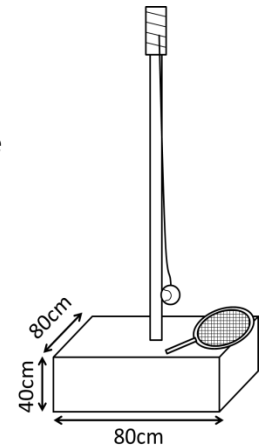
Barney has a normal pack of 52 playing cards. He shuffles them and turns over the first card. What is the probability that the card will be a club?

- A) $\frac{1}{2}$
- B) $\frac{1}{4}$
- C) $\frac{3}{4}$
- D) $\frac{1}{13}$
- E) $\frac{1}{52}$

Question 37

The base of a garden toy needs to be filled with water to maintain stability. Calculate the volume of water needed to fill the base.

- A) $3,200\text{cm}^3$
- B) $6,400\text{cm}^3$
- C) $64,000\text{cm}^3$
- D) $128,000\text{cm}^3$
- E) $256,000\text{cm}^3$



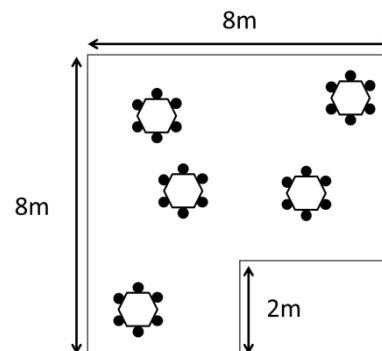
Question 38

If Joel cycles for 1 hour and 20 minutes at an average speed of 24km/h, how far does he cycle?

- A) 24km
- B) 27km
- C) 30km
- D) 32km
- E) 36km

Question 39

Fernberry Primary School are planning a new seating area on the playground.



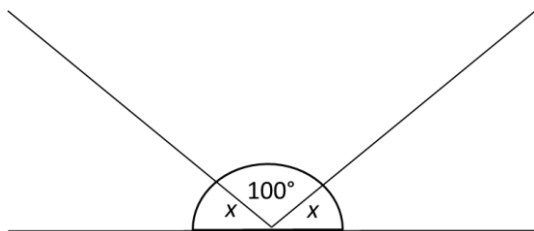
What is the perimeter of the new seating area?

- A) 32m
- B) 30m
- C) 28m
- D) 26m
- E) 24m

Question 40

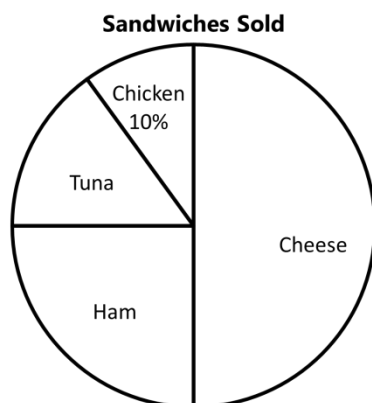
What is the approximate value of: $\frac{49.12 \times 31.48}{9.87}$

- A) 150
- B) 180
- C) 250
- D) 1,470
- E) 1,500

Question 41

Calculate the value of x .

- A) 40°
- B) 50°
- C) 60°
- D) 70°
- E) 80°

Question 42

This pie chart shows the proportions of sandwiches sold at a sandwich shop. If a total of 440 sandwiches were sold, how many tuna sandwiches were sold?

- A) 44
- B) 46
- C) 58
- D) 66
- E) 72

Question 43

Mark is going to Madeira for his summer holiday. He looks at the average monthly temperatures in Madeira and compares it to the weather in London:

	APR.	MAY	JUN.	JUL.	AUG.
LONDON	14°C	17°C	19°C	21°C	24°C
MADEIRA	23°C	26°C	27°C	28°C	31°C

What is the difference between the average temperature in London over the five months and the average temperature in Madeira over the five months?

- A) 7°C
- B) 8°C
- C) 19°C
- D) 23°C
- E) 27°C