

Do not turn over or open this booklet until told to do so

CEA

Common Entrance Assessment

Paper 3

Saturday 4 December 2010

Time: 1 Hour

NOT TO BE FILLED IN BY THE PUPIL			
MATHEMATICS			
Page	Marks	Score	Check
1	(3)		
2	(3)		
3	(2)		
7	(2)		
8	(3)		
9	(3)		
13	(3)		
14	(2)		
15	(3)		
19	(3)		
20	(3)		
21	(2)		
TOTAL 32			

NOT TO BE FILLED IN BY THE PUPIL			
ENGLISH			
Page	Marks	Score	Check
5	(6)		
6	(3)		
11	(3)		
12	(2)		
17	(4)		
18	(6)		
22	(1)		
23	(6)		
24	(1)		
TOTAL 32			
TOTAL SCORE			

Please fill in the following from your admission card:

Your Candidate Number

ANSWERS

Your Assessment Centre

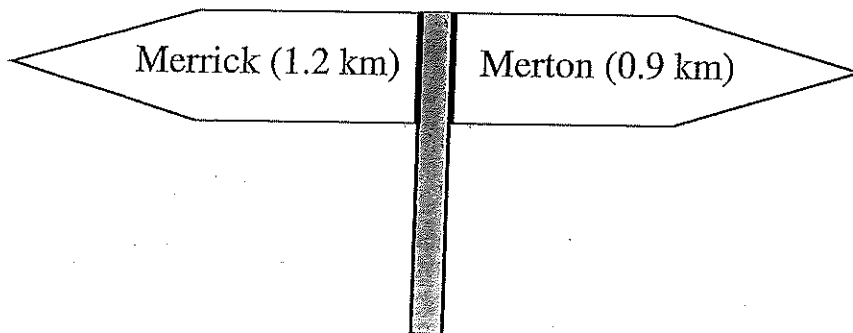
Your Date of Birth

Answer all 58 questions in this booklet

1. Complete the table below by filling in the 4 blank boxes.

Decimal	Fraction	Percentage
0.1	$\frac{1}{10}$	10%
0.75	$\frac{3}{4}$	75%
0.5	$\frac{1}{2}$	50%

2. Two small towns, called Merrick and Merton, are connected by a long straight road. The signpost below is located on the road between the towns.



What is the distance between the 2 towns? Write your answer in the space below.

2.1 km

3. The normal price of a coat is £64. In a sale Christine pays 75% of the normal price. How much does she pay for the coat in the sale? Write your answer in the space below.

£ 48

$$64 \div 4 = 16$$

$$\begin{array}{r} \times 3 \\ \hline 48 \end{array}$$

Do not write in this column

1	
1	
	(3)

4. A map has the following scale:

1 centimetre represents 8 kilometres.

The distance between 2 towns **on the map** is **6.2 cm**. What is the **actual distance** between the 2 towns in **kilometres**?

Write your answer in the space below.

$$\underline{49.6} \text{ km} \qquad \begin{array}{r} 6.2 \\ \times 8 \\ \hline 49.6 \end{array}$$

Write **567 minutes** in **hours** and **minutes**. Write your answer in the spaces below.

$$\underline{9} \text{ hours } \underline{27} \text{ minutes}$$

I am facing **East**. Through **how many degrees** must I turn **clockwise** to face **North West**? Write your answer in the space below.

$$\underline{225}^\circ$$

Do not write
in this column

1

1

1

The Stick Insects in the Museum at Tunbridge Wells

Saturday evening, just on 5pm.
The Library & Museum
Are about to close.

Most of us are at home,
football scores on the television,
tea on the table.

The museum curator secures the strong lid
on the glass case containing the stick insects
in their never-blue world.

Everyone will be busy tomorrow,
only six more shopping days
before Christmas.

The stick insects won't be busy.
They will remain motionless in their
greeny-brown camouflage - all night, all day.

On Saturday night
families will go to the local pantomime,
grandparents to carol concerts, teenagers to parties.

During the drowsiness of Sunday,
one stick insect might, just might,
twist her twiggy body one single centimetre.

By Monday it's up early again,
back to work, back to school
for just a few more days before the holiday.

At 8.30am, the museum curator unlocks
the door to the Library & Museum
and walks through the still, hushed foyer.

She finds one stick insect,
in the shape of an exclamation mark, crawling downstairs
...heading for the exit.

John Rice

Do not write
in this column

Stick Insects in the Museum at Tunbridge Wells

Friday evening, just on 5pm.

Library & Museum

about to close.

of us are at home,

all scores on the television,

on the table.

the museum curator secures the strong lid

of the glass case containing the stick insects

in their never-blue world.

Everyone will be busy tomorrow,

with six more shopping days

before Christmas.

Stick insects won't be busy.

They will remain motionless in their

grey-brown camouflage - all night, all day.

On Saturday night

parents will go to the local pantomime,

parents to carol concerts, teenagers to parties.

Despite the drowsiness of Sunday,

the stick insect might, just might,

move its twiggy body one single centimetre.

Monday it's up early again,

back to school

and a few more days before the holiday.

At 10am, the museum curator unlocks

the door to the Library & Museum

and walks through the still, hushed foyer.

He finds one stick insect,

in the shape of an exclamation mark, crawling downstairs

in search for the exit.

John Rice

Do not write
in this column

3rc
ho
ha
ha
ia
—
—
P
W
o
—
S
—
E

9. Look at the **first verse** of the poem. **According to the poem**, only one of the sentences below is **correct**. Tick the correct sentence.

It is very late at night.

The Library is closed.

It is after 5 p.m.

It is Saturday.

10. According to the poem, **how many shopping days** is it before **Christmas**? Write your answer in the space below.

6 days

11. The four words **television**, **walks**, **early** and **twiggy** are used in the poem. Tick the correct box to show whether each one has been used in the poem as a **verb**, **noun**, **adjective** or **adverb**.

	verb	noun	adjective	adverb
television		<input checked="" type="checkbox"/>		
walks	<input checked="" type="checkbox"/>			
early				<input checked="" type="checkbox"/>
twiggy			<input checked="" type="checkbox"/>	

12. Look at the **five words** listed below. Write the **past tense** of each of the words in the space provided. **Be careful with your spelling**. The first one has been done for you.

secures secured

unlocks unlocked

remain remained

finds found

twist twisted

Do not write in this column

1

1

2

2

13. The word **camouflage** is used in **verse five** of the poem. Look at the three phrases below. Tick the phrase **closest in meaning** to camouflage, as used in the poem.

the case the insects live in

the wearing of a uniform

the use of colour to hide

14. Write the words below in **alphabetical order** in the spaces provided. The first one has been done for you.

stick

scores

still

she

six

scores

she

six

stick

still

15. The word **won't** is used in **verse five** of the poem. Look at the four pairs of words below. Tick the **pair of words** which means the same as won't as used in the poem.

will not

want not

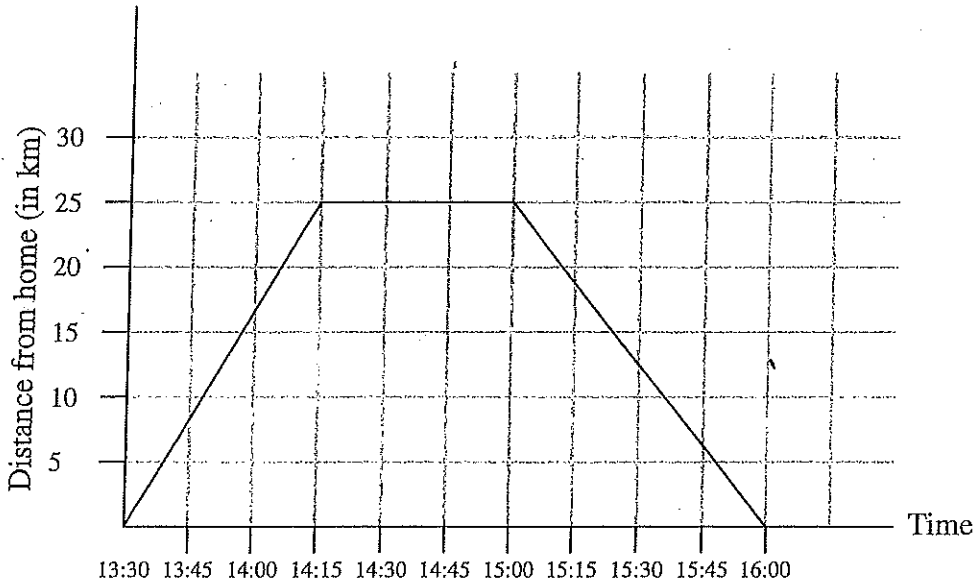
would not

were not

Do not write
in this column

1	
1	
1	
(3)	

16. Mrs Mooney drives from home to the airport to collect her daughter. She spends some time at the airport and then drives home with her daughter. Mrs Mooney's journey is shown on the graph below.



How far is it from her home to the airport? Write your answer in the space below.

25 km

17. How long did Mrs Mooney spend at the airport? Write your answer in the space below.

45 minutes

Do not write
in this column

1

1

The passage you are about to read contains five errors. Read the passage and then answer the questions that follow it.

Do not write
in this column

The Mask of Dimitrios

The train reached the frontier in the early hours (line 1)
of the morning and he was awakened by the (line 2)
attendant for his papers. Mr Peters was still reading. (line 3)
His papers had already been examined by the Greek (line 4)
and Bulgarian officials in the corridor outside and (line 5)
Latimer did not have an opportunity of ascertaining (line 6)
the nationality of the citizen of the world, A Bulgarian (line 7)
customs official put his head in the compartment, (line 8)
frowned at their suitcases and then withdrew. Soon the (line 9)
train moved on over the frontier. Dozing fitfully, Latimer (line 10)
saw the thin strip of sky between the blinds turn blue-black (line 11)
and then grey. The train was due at Sofia at seven. (line 12)
When, at last, he rose to dress and collect his belongings, (line 13)
he saw that Mr Peters had switched of his reading lamp off (line 14)
and had his eyes closed. As the train began to rattle over (line 15)
the network of points outside Sofia, he gently slid the (line 16)
compartment door open. (line 17)

Mr Peters stirred and opened his eyes. (line 18)
‘I’m sorry,’ said Latimer, ‘I tried not to waken you.’ (line 19)
In the semi-darkness of the compartment, the fat man’s (line 20)
smile looked like a clown’s grimace. ‘Please don’t trouble (line 21)
yourself about me,’ he said. ‘I was not asleep. I meant to (line 22)
tell you that the best hotel for you to stay at would be the (line 23)
Slavianska Bessedra.’ (line 24)
‘That’s very kind of you, but I wired a reservation from (line 25)
Athens to the Grand Palace. It was recommended to me. (line 26)
Do you know it?’ (line 27)
‘Yes. I think it’s quite good.’ The train began to slow down. (line 28)
‘Goodbye, Mr Latimer.’ (line 29)
‘Goodbye.’ (line 30)
In his eagerness to get to a bath and some breakfast it did (line 31)
not occur to Latimer to wonder how Mr Peters had (line 32)
discovered his name. (line 33)

Eric Ambler

Do not write
in this column

24. Each line of the passage is numbered. A question mark is needed instead of a full stop in one of the lines of the passage. Tick the number of the line in which the question mark is needed.

line 19

line 22

line 27

line 28

25. There is a spelling error in one of the lines of the passage. Tick the number of the line containing the spelling error.

line 4

line 7

line 20

line 31

26. A word has been used incorrectly in one of the lines of the passage. Tick the number of the line containing the incorrect word.

line 2

line 8

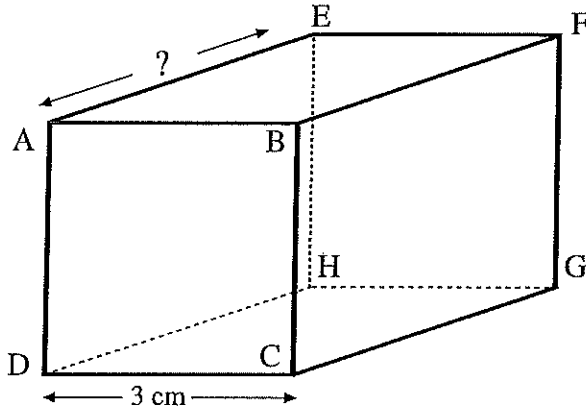
line 14

line 20

29. Complete the calculation below by writing the correct decimal number in the box.

9.4 $\times 8 = 75.2$

30. Look at the cuboid below.



ABCD is a square. Each side of the square is 3cm. The volume of the cuboid is 36cm^3 . What is the length of the line **AE**? Write your answer in the space below.

4 cm

31. Ross bought 5 items in a supermarket. His receipt is shown below.

Milk	
Eggs	£0.91
Bread	£1.34
Juice	£0.49
Meat	£3.25
	<u>5.99</u>
Total	£6.87

$$\begin{array}{r} 56.84 \\ - 5.99 \\ \hline 0.88 \end{array}$$

The price of the milk has been torn off the receipt. How much was the milk? Write your answer in the space below.

£ 0.88

Do not write in this column

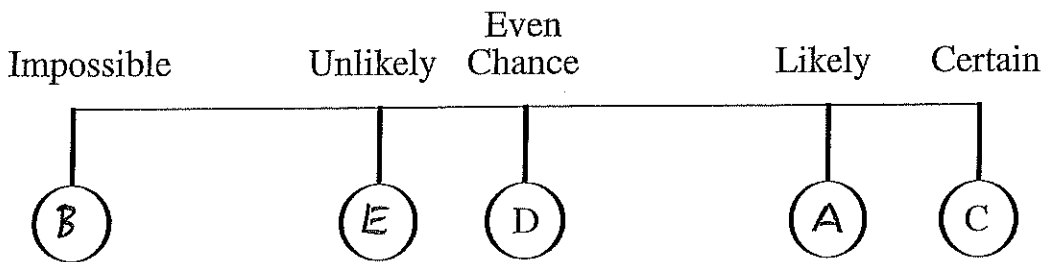
32. Look at the 6 cards below. Each has a number on it. These cards are shuffled and placed face down on a table so that the number on each card cannot be seen.



One card is picked at random and turned over. Look at the following 5 statements:

- A. There is an even number on the card.
- B. There is a number less than 2 on the card.
- C. There is a factor of 24 on the card.
- D. There is a multiple of 6 on the card.
- E. There is a prime number on the card.

Write the letters A to E in the circles below to match a probability to each statement. Two have been done for you.



33. Four athletes competed in the long jump. The distance each athlete jumped is recorded in the table below.

Athlete	Distance jumped
John	195.8 cm
Gerard	1.956 m 195.6 cm
Bernard	196 cm
James	1957 mm 195.7 cm

Which athlete's jump was the longest? Write the name of the athlete in the space below.

Bernard

Do not write in this column

34. Look at the 4 numbers written in words below. Write each as a decimal number. Write your answers in the spaces below. The first has been done for you.

nine and one half

9.5

twenty and one quarter

20.25

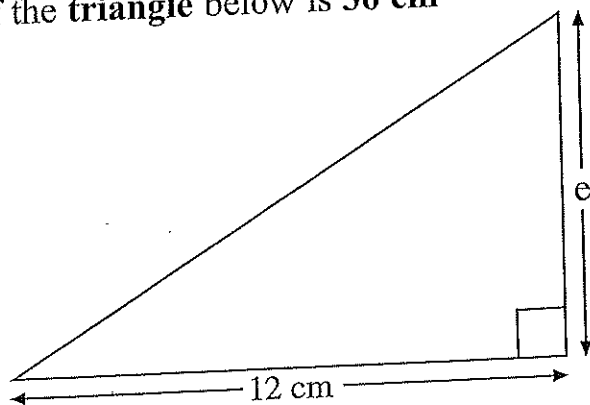
seven and three quarters

7.75

seven tenths

0.7

35. The area of the triangle below is 36 cm^2



What is the value of e ? Write your answer in the space below.

6 cm

$$72 \div 12 = 6$$

6. Look at the rule below:

Double the previous number and subtract $\frac{1}{3}$

You must use this rule to write a sequence of 4 numbers. The first 2 numbers in the sequence are done for you. Write the next 2 numbers in the spaces below.

12

$23 \frac{2}{3}$

47

$93 \frac{2}{3}$

Do not write in this column

--	--

--	--

--	--

Mr Nobody

I know a funny little man,
as quiet as a mouse.
He does the mischief that is done
in everybody's house.
Though no one ever sees his face,
yet one and all agree
that every plate we break, was cracked
by Mr Nobody.

It's he who always tears our books,
who leaves the door ajar.
He picks the buttons from our shirts,
and scatters pins afar.
That squeaking door will always squeak
For reader, don't you see?
We leave the oiling to be done
by Mr Nobody.

He puts damp wood upon the fire,
that kettles will not boil:
His are the feet that bring in mud
and all the carpets soil.
The papers that so often are lost -
Who had them last but he?
There's no one tosses them about
but Mr Nobody.

The fingerprints upon the door
by none of us were made.
We never leave the blinds unclosed
to let the curtains fade.
The ink we never spill! The boots
that lying round you see,
are not our boots - they all belong
to Mr Nobody.

Anonymous

Do not write
in this column

37. Look at the **three words** below. Which of these words **best** describes the poem? Tick the correct box below.

serious

humorous

sad

38. Look at the **first two verses of the poem**. Find the **words in these two verses** which are **closest in meaning** to each of the words below. Write your chosen word in the space provided.

amusing funny

open ajar

rips tears

naughtiness mischief

39. Look at the **three phrases** below. Each phrase is **used in the poem**. Tick the phrase which shows that the poem is **set in the past**.

The fingerprints upon the door

The ink we never spill!

He picks the buttons from our shirts

Do not write in this column

1	
2	
1	
(4)	

40. Look at the **three pairs of words** highlighted in the short passage below. In each pair only one of the words is spelt correctly. **Circle the correct spelling** for each pair of words.

The poet beleives **believes** that Mr Nobody is to blame for other people's misbehaviour. He is described as a mischeivous **mischievous** character in the poem. The poet seizes **seizes** every opportunity to tell us about the activities of Mr Nobody.

41. Look at **verse four** of the poem. A **word** in verse four means the same as the words **gradually lose colour**. Write the word in the space below.

fade

42. At the **end of the poem** the word **Anonymous** is written. What does the word **Anonymous** tell us? Look at the **four answers** below. Tick the box opposite the **best** answer.

The word Anonymous tells us that

the man who wrote the poem is unknown.

the woman who wrote the poem is unknown.

the person who wrote the poem is unknown.

the person who wrote the poem is called Anonymous.

43. A **prefix** is a group of letters placed in front of a word to make a new word. The four prefixes **in**, **un**, **dis** and **non** can change the meaning of a word to the opposite meaning. Choose one of these four prefixes to make each of the following words into a **word of the opposite meaning**. Write your answers in the spaces provided. The first one has been done for you.

sense nonsense

happy unhappy

respectful disrespectful

audible inaudible

Do not write in this column

2

1

1

2

(6)

44. At a bank in the airport, £1 can be exchanged for **1.1 euro**. Look at the **4 statements** below. **One statement is more accurate** than the others. Tick the **most accurate** statement.

1 euro can be exchanged for about **60p**

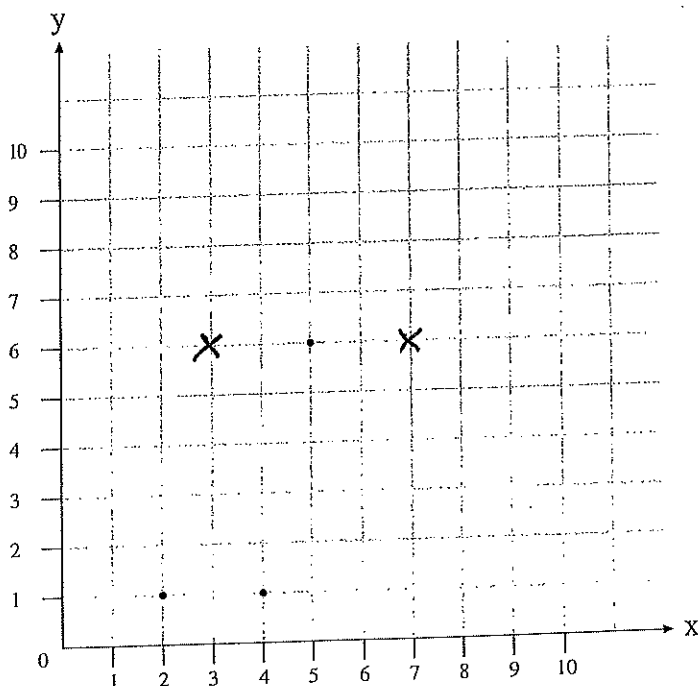
1 euro can be exchanged for about **70p**

1 euro can be exchanged for about **80p**

1 euro can be exchanged for about **90p**

Do not write in this column

45. Three of the vertices of a **parallelogram** are shown by **dots** in the grid below.



Two possible points for the fourth vertex can be drawn on the grid. Write the **coordinates** of the **2 points** in the spaces below.

(3 , 6) (7 , 6)
 → 1 ↑5 → 3 ↑5

16. A number is made up of **3 tenths**, **4 tens** and **5 hundreds**. Jane divides this number by **10**. What **decimal number** does Jane get? Write your answer in the space below.

$$540.3 \div 10$$

54.03

47. Tick the fraction below which is nearest in value to 25%

$\frac{1}{3}$ $\frac{8}{24}$

$\frac{7}{24}$ $\frac{7}{24}$

$\frac{1}{6}$ $\frac{4}{24}$

$\frac{3}{8}$ $\frac{9}{24}$

$25\% = \frac{6}{24}$

48. Look at the statement below.

$a + 3.2 = 5.1$

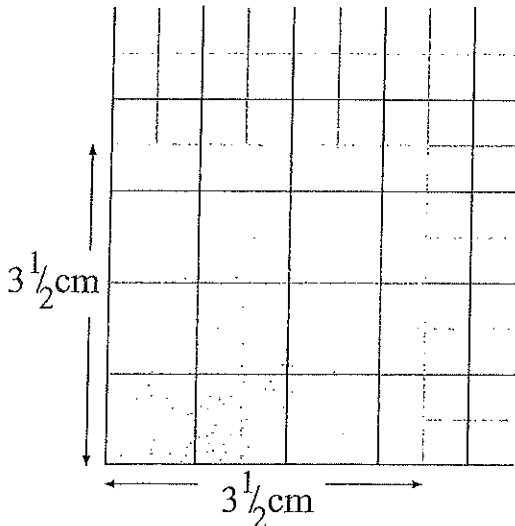
Use this statement to complete the 2 statements below.

Write your answers in the spaces below.

$a + 12.3 = \underline{14.2}$

$12.3 - a = \underline{10.4}$

49. Look at the square below. Each of its sides is $3\frac{1}{2}$ cm long.



$$\begin{array}{r} 3.5 \\ \times 3.5 \\ \hline 175 \\ 1050 \\ \hline 1225 \end{array}$$

You must work out an accurate value for the area of the square. Write your answer as a decimal or a fraction in the space below.

$\underline{12.25}$ cm²

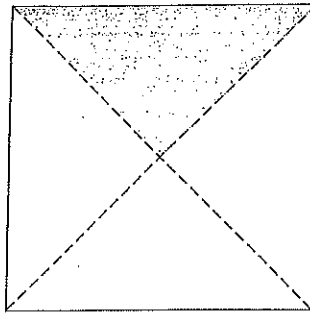
Do not write in this column

1

1

1

50. Look at the square below.



$$9 \times 4 = 36 \text{ cm}^2$$

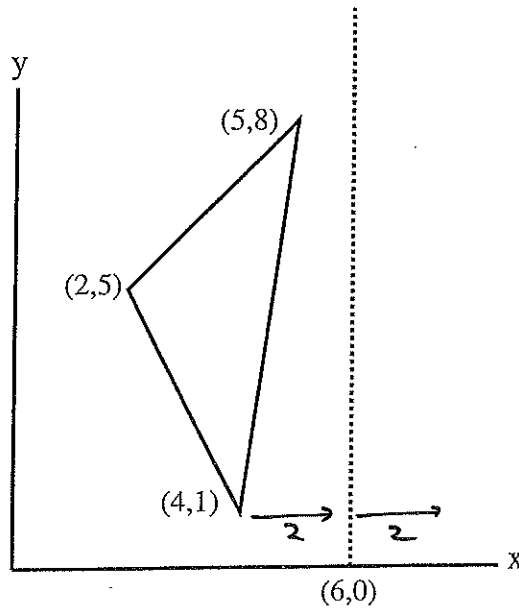
$$\sqrt{36} = 6 \text{ cm}$$

$$6 \times 4 = 24$$

The area of the shaded triangle is 9 cm^2 . Find the perimeter of the square. Write your answer in the space below.

24 cm

51. The diagram below shows a triangle. This triangle is to be reflected in the dotted mirror line. The dotted line passes through the point with coordinates $(6, 0)$ and is parallel to the y axis. Each of the 3 vertices of the triangle is reflected to give 3 new points. These are joined to form a new triangle.



Complete the table below by writing in the coordinates of the vertices of the new triangle. Two vertices have been done for you.

Vertex	Reflected Vertex
$(5, 8)$	$(7, 8)$
$(2, 5)$	$(10, 5)$
$(4, 1)$	$(8, 1)$

Do not write in this column

1

Thirteen

Something about the old house made Katie pause before she took out her keys and let herself in. The front door creaked on its hinges and the whole upstairs was dark and silent; empty. Katie was alone. She and her parents had moved into the old house at the end of the street three weeks ago and she still couldn't get used to how spooky it was at times. The only good part that Katie could see was that it was just a brisk walk away from her best friend Elizabeth's house and that her parents let the girls walk back and forth by themselves.

Behind her, the rusty gate swung and clanged and a few stray leaves tangled in the mess of the front garden. The ghostly white paint curled off the splintered boards and the dirty windows rattled in their frames. The house didn't seem to want Katie there on the lonely front porch - its boards shrieked in protest when she walked in.

Katie told herself she was being silly. Now that she was thirteen, she wasn't afraid of the dark. This didn't stop her from walking quickly to the light switch on the far wall and it didn't stop a shiver from running through her when she flicked the switch and nothing happened. The lights were out - another one of dad's D-I-Y disasters. Katie pulled out her phone and used the blue screen to pick out the ladder leaning against the kitchen door.

Her parents were in the middle of fixing up the old place and sheets were thrown over tables and chairs and paintings to keep them from getting messy with all the paint flying around. The sheets moved in the breeze and the bones of wooden boards sticking out at odd angles made Katie's heart flutter like a trapped bird in her chest. They looked like ghosts in the moonlight. Where was everyone?

52. Look at the **four words** below. Based on your reading of the passage, which word **best** describes Katie's new home? Select the word by ticking a box below.

comfortable

homely

isolated

creepy

Do not write
in this column

1

(1)

53. Look at the **last sentence of paragraph one** in the passage. The word **brisk** is used in this sentence. What is the meaning of brisk? Select the **best** meaning by ticking a box below.

- pleasant
- quick
- steady
- uphill

54. Look at **paragraph two** of the passage. In this paragraph find **three verbs** which **relate to sounds**. Write your answers in the spaces below.

clanged shrieked rattled

55. Look at the **four sentences** below. Only **one** of the sentences is **true**. Based on your reading of the passage, tick the true sentence.

- Katie and her family will be moving house on her thirteenth birthday.
- Katie and her family have been living in the old house for thirteen years.
- Katie and her family have been in the old house for three weeks.
- Katie and her family are staying with her friend Elizabeth for three weeks.

56. Look at **paragraph three**. Find the word in the paragraph **closest** in meaning to **catastrophes**. Write your answer in the space below.

disasters

57. Look at **paragraph four**. Which **phrase** in paragraph four tells us that the **renovations** to the house **aren't finished**? You may use **from four to nine words** in your phrase. Write your answer in the space below.

in the middle of fixing up the old place

Do not write in this column

1
2
1
1
1
(6)

Look at the four sentences below. Only one of the sentences is true. Based on your reading of the passage, tick the true sentence.

Patie is trying to be brave even though she is alone in the house in the dark.

Patie is frightened because she sees ghosts in the old house and shrieks in fear.

Patie is unable to see anything at all because the lights are out in the house.

Patie is unhappy in the house and cannot think of anything good about living there.

Do not write in this column