

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

CEA

Common Entrance Assessment

Paper 1

Saturday 12 November 2011

Time: 1 Hour

Please fill in the following from your admission card:

Your Candidate Number _____

Your Assessment Centre _____

Your Date of Birth _____

Answer all 58 questions in this booklet

NOT TO BE FILLED IN BY THE PUPIL			
MATHEMATICS			
Page	Marks	Score	Check
1	(4)		
2	(4)		
6	(3)		
7	(3)		
8	(2)		
12	(4)		
13	(2)		
14	(2)		
18	(3)		
19	(2)		
20	(3)		
TOTAL 32			

NOT TO BE FILLED IN BY THE PUPIL			
ENGLISH			
Page	Marks	Score	Check
3	(1)		
4	(4)		
5	(4)		
9	(1)		
10	(3)		
11	(1)		
16	(4)		
17	(6)		
22	(4)		
23	(4)		
TOTAL 32			
TOTAL SCORE			

1. Look at the **number written in words** below

thirty five and a quarter

What is this number as a **decimal number**? Write your answer in the space below.

2. The crisps in a **single packet** weigh **27 g**. A **multipack** contains **18 single packets**. Mark is having a party. He empties the contents of **all the packets** in a multipack **into a large bowl**. What is the **weight of crisps in the bowl**? Give your answer in **grammes**. Write your answer in the space below.

_____ g

3. Tommy goes on a bike ride. He cycles **1.5 km** before **stopping to take a break**. He then cycles **a further 600 m**. **How far** does he travel in **total**? Give your answer in **metres**. Write your answer in the space below.

_____ m

4. Eight girls counted **how many items** each one had in her **pencil case**. Maggie made a list of the numbers of items in each girl's pencil case. Look at the list below.

5 5 6 7 8 7 10 8

What is the **mean** (average) number of items? Write your answer in the space below.

_____ items

Do not write in this column

5. Look again at the 8 numbers in **question 4**. What is the **range** of items? Write your answer in the space below.

_____ items

6. Tom is buying fish for his fish tank. He uses the rule below to work out the maximum number of fish he can keep in the tank.

$$\text{Maximum number of fish} = \text{Volume of tank in litres} \div 4$$

Use this rule to work out the **maximum number of fish** Tom can keep in a tank of **32 litres**. Write your answer in the space below.

_____ fish

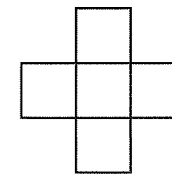
7. Write the **number** in the box below that makes the statement **true**.

17 is % of 68

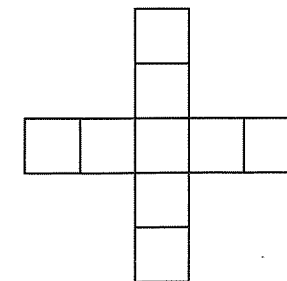
8. Kieran is **making patterns** using **square tiles**. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

How many square tiles does Kieran need to make **Pattern 5**?

Write your answer in the space below.

_____ square tiles

Do not write in this column

Summer Goes

Summer goes, summer goes
 Like sand between my toes when the waves go out.
 That's how summer pulls away,
 Leaves me standing here today,
 Waiting for the school bus.

Summer brought, summer brought
 All the frogs that I have caught,
 Frogging at the pond,
 Hot dogs, flowers, shells and rocks,
 Postcards in my postcard box -
 Places far away.

Summer took, summer took
 All the lessons in my book,
 Blew them far away.
 I forgot the things I knew -
 Arithmetic and spelling too,
 Never thought about them.

Summer's gone, summer's gone -
 Fall and winter coming on,
 Frosty in the morning.
 Here's the school bus right on time.
 I'm not really sad that I'm
 Going back to school.

Russell Hoban

9. Look at **verse two** of the poem. Complete the **two statements** below by writing **a word** in each blank space.

caught rhymes with _____

rocks rhymes with _____

Do not write in this column

10. This poem is about the **end of a season**. Which season? Tick the correct box below.

Summer

Spring

Autumn

Winter

11. In **verse one** of the poem, what does the poet **compare** the passing of summer to? Look at the answers below and tick the **best** answer.

standing about in the school holidays

the sand that was once between his toes

waiting for a bus to take him to school

12. Look at **verse four** of the poem. Which phrase of **three words** tells us that the bus is **punctual**? Write your answer in the space below.

13. Only **one** of the **three statements** below is **true**. Tick the true statement.

The poem is about:

the poet's homeworks being blown away.

the poet's travels during the summer break.

the poet's thoughts about summer ending.

Do not write in this column

14. An **apostrophe** is used in **four** different words in this poem. For each of these words write the **two words** that mean the same as the word containing the apostrophe. **Be careful with your spelling.** The first one has been done for you.

Summer's Summer is

That's _____

Here's _____

I'm _____

15. The **four words** below are used in the poem. Write the **plural of each word** in the space below. One has been done for you. **Be careful with your spelling.**

bus buses

pond _____

box _____

book _____

Do not write in this column

16. Anna, Billy and Carla are playing a **computer game**. In the game, for every **75 points** you collect you are given a **star**.

- (a) Anna has enough points for **4 stars**. **How many points** has she collected? Write your answer in the space below.

_____ points

- (b) Billy has **45 points**. Carla has **5 stars**. How many **more points** has Carla than Billy? Write your answer in the space below.

_____ points

17. Donal and Brenda are playing the **same** computer game.

- (a) Donal collects **225 points**. **How many stars** is he given? Write your answer in the space below.

_____ stars

- (b) When Brenda finishes her game she needs **37 points** to get her **first star**. **How many points** has she collected? Write your answer in the space below.

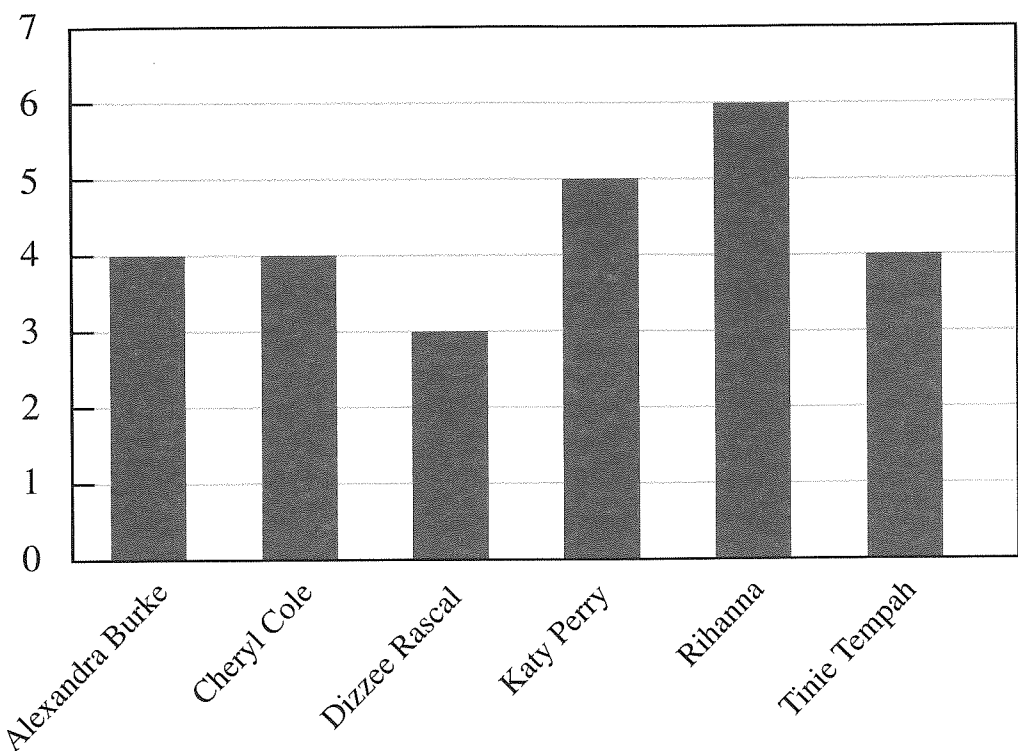
_____ points

18. Look at the **three numbers** below. All three numbers are **multiples of the same number**. **What is that number?** Write your answer in the space below.

14 35 77

Do not write in this column

33. The bar chart below shows how many top ten singles certain singers had in 2010. For example, Cheryl Cole had 4 top ten singles in 2010. Use this bar chart to answer the questions below.



- (a) Which singer had the most top ten singles? Write the name of the singer in the space below.
- _____
- (b) Which singer had the fewest top ten singles? Write the name of the singer in the space below.
- _____
- 34.
- (a) Look again at the bar chart of top ten singles. Which singer had more top ten singles than Cheryl Cole but fewer top ten singles than Rihanna? Write the name of the singer in the space below.
- _____
- (b) How many top ten singles did all 6 singers have in total? Write your answer in the space below.
- _____ top ten singles

Do not write in this column

35. A map has the following scale:

1 centimetre represents 4 kilometres

The distance between two villages is 8 cm on the map. What is the actual distance between the villages? Write your answer in the space below.

_____ km

36. A motorway is 42 km long. A red line on the map represents the motorway. How long is the red line? Write your answer in the space below.

_____ cm

Do not write in this column

41. The four words **row**, **floating**, **lithely**, and **tubular** are used in **verses two and three** of 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
row				
floating				
lithely				
tubular				

42. The word **swam** is used in the poem. It is the **past tense** of **swim**. Write the past tense for each of the words below in the space provided. One is done for you. **Be careful with your spelling.**

drink drank

hope _____

sleep _____

stagger _____

43. Look at the **three words** below. Look at **verses two and three** of the poem and find the word **opposite in meaning** to each of the three words. Write each word in the space provided.

sinking _____

soft _____

hot _____

Do not write in this column

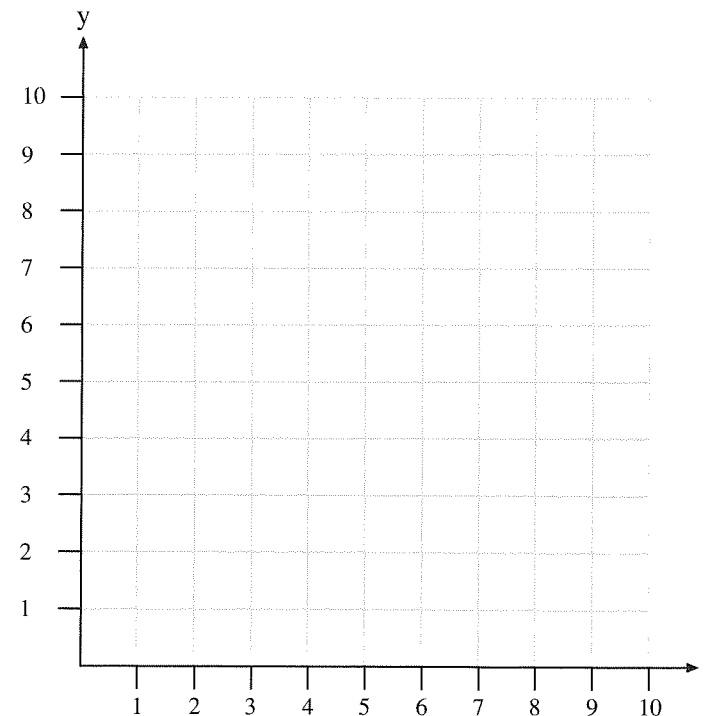
44. Rosie spent **one quarter of an hour** doing her English homework. Then she spent **one third of an hour** doing her mathematics homework. **How many minutes** did she spend **altogether** doing her homework? Write your answer in the space below.

_____ minutes

45. Patrick won **£50,000** in a lottery. He gave **half** of the money to charity. Then he divided the **remaining** money **equally** between his **two** children. **How much** money did **each** child receive? Write your answer in the space below.

£ _____

46. Look at the grid below. It will help you answer the question below.



A line is drawn from the point **(2, 3)** to the point **(8, 7)**. What are the **coordinates** of the **point halfway** along this line? Give your answer by **writing a number** in each of the spaces below.

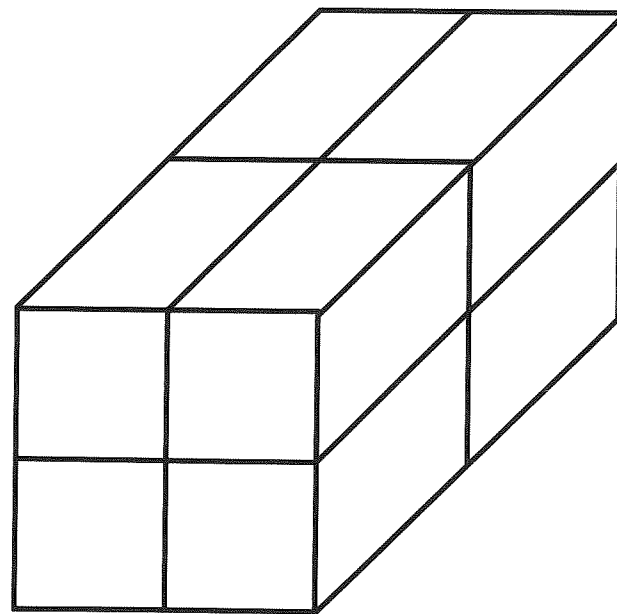
(__, __)

Do not write in this column

47. Sarah measured an angle. The angle was **bigger than two right angles** but **smaller than three right angles**. Look at the three angles below. **Which** of these three angles **could be the angle** that Sarah measured? Tick the correct answer.

- 177°
- 267°
- 357°

48. A **brick** is in the shape of a **cuboid**. The **volume** of each brick is **120 cm³**. **Some bricks** are arranged to **make the object** shown below. This **object** is also a **cuboid**.

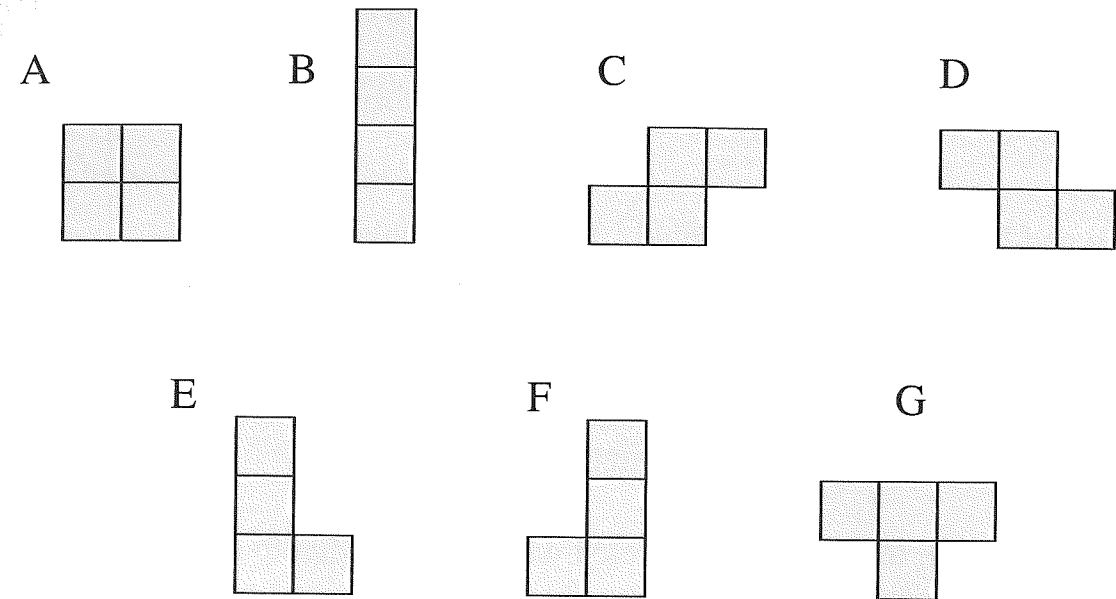


Find the **volume** of the **object**. Write your answer in the space below.

_____ cm³

Do not write in this column

49. Look at the 7 shapes below.



Which **shape** is a **reflection** of **shape C**? **Circle** the correct **letter** below.

- A B C D E F G

50. Look again at the shapes above. **Which two shapes** have **more than one line of symmetry**? **Circle** the correct **letters** below.

- A B C D E F G

51. Look again at the shapes above.

(a) **How many lines of symmetry** does **shape G** have? **Circle** the correct answer below.

- None 1 2 3 4

(b) **How many lines of symmetry** does **shape A** have? **Circle** the correct answer below.

- None 1 2 3 4

Do not write in this column

