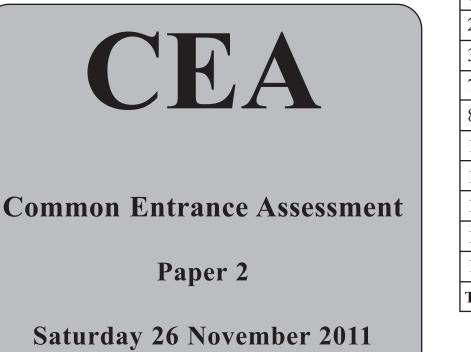
Do not turn over or open this booklet until told to do so



Time: 1 Hour

Please fill in the following from your admission card:

Your Candidate Number _____

Your Assessment Centre _____

Your Date of Birth _____

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Answer	all	20	questions	IN	τηις	DOOKIET

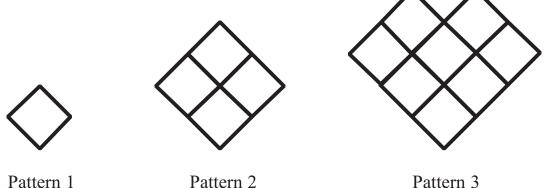
NOT TO BE FILLED IN BY THE PUPIL **MATHEMATICS** Marks Score Check Page 1 (2) (5) 2 3 (1)7 (4) 8 (4) (4) 12 13 (4) 17 (2) 18 (3) 19 (3) TOTAL 32

NOT TO BE FILLED IN BY THE PUPIL ENGLISH				
Page	Marks	1 1		
4	(1)			
5	(5)			
6	(4)			
9	(1)			
10	(3)			
11	(1)			
15	(5)			
16	(4)			
21	(5)			
22	(3)			
TOTAL 32				
TOTAL SCORE				

Do not write in this column

(2)

Look at the sequence of 3 patterns below. Each pattern is made up of small squares.



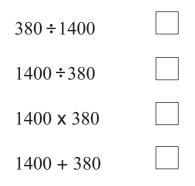
Look at the **table below**. It shows the number of small squares in each pattern.

Pattern	1	2	3
Small squares	1	4	9

How many small squares are needed altogether to make Pattern 5 and Pattern 6? Write your answer in the space below.

_____ small squares

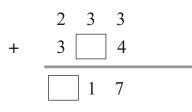
2. Sharon has a 1400 g bag of sugar. It contains 380 spoonfuls of sugar. She wants to calculate how many grammes of sugar a spoonful holds. Look at the four calculations below. Tick ✓ the calculation Sharon must do to calculate how many grammes of sugar a spoonful holds.



Do not write in this column

(5)

3. Look at the calculation below. **Complete** the calculation by **writing a number** in each of the **two boxes** below.



4. Look at the seven numbers below. Circle the number that is a prime number.

33 49 64 16 15 99 23

5. Look at the seven numbers below. Circle the number that is both a square number and an odd number.

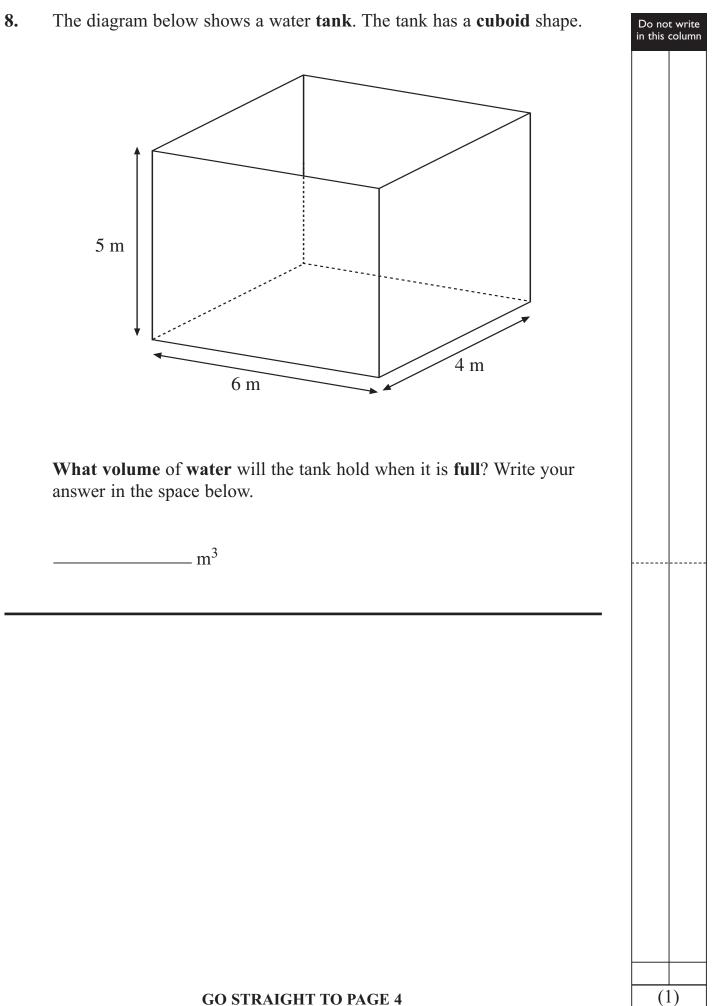
33 49 64 16 15 99 23

6. Look at the rule below:

Multiply the previous number by 2 and then subtract 5

Matthew uses this rule to write a sequence. Which number does Matthew write down after the number 6? Write your answer in the space below.

7. Matthew continues the sequence. Which number is the previous number to 69 in the sequence? Write your answer in the space below.



Do not write in <u>this c</u>olumn

(1)

Missing: My Tadpole

I had a tadpole for a pet, but I didn't have him long. I had wanted something furry, but mum said 'no' to cats and dogs.

I caught my tadpole in the lake and kept him in a jar. I even researched what tadpoles eat, so my poor tadpole wouldn't starve.

I took my tadpole everywhere, to school and football and the park. I'd never seen a grown-up tadpole, but thought maybe they looked like sharks!

Quickly time went by and my tadpole Started to get longer. Then I had to go away and Dad promised to feed him while I was gone.

As soon as I got back today, I knew something was wrong! I had a tadpole for a pet, But I didn't have him long.

My lovely tadpole was missing! He was lost! He was gone! And all that was left in my tadpole's jar Was this little, greenish frog.

9. Find the **word** in **verse five** which **rhymes** with **wrong**. Write the word in the space below.

10.	Only one of the of the poem , ti			ue. Based on yo	our reading	Do not write in this column	
	The tadpole sta	ys in its jar on	a bookshelf a	at all times.			
	The poet doesn't know that tadpoles change into frogs.						
	The poet doesn	't like furry ani	mals like cat	s and dogs.			
	The poet's dad	forgets his pror	mise to feed	the tadpole.			
11.		g for is in verse		g to investigated e two. Write you			
12.		rect box to show	w whether ea	ckly are used in ch one has been b.	-		
		verb	noun	adjective	adverb		
	furry						
	have						
	park						
	quickly						
13.	describes the po	U 1	-	ne word below th	hat best		
	devoted						
	uncaring						
	knowledgeable						
		GO STRAI	GHT TO PAG	E 6		(5)	

tense. Write	e the present tense of each of the verbs in the spaces			
caught	catch			
brought				
hopped				
saw				
took				
pairs of we word is con I really enjoin no pets pet friend, who	ords highlighted in the passage below. In each pair, only one crect. Circle the correct word from each pair. oyed reading this poem because I am an animal lover. I have t's but would love to have one. My sister's sisters best ose who's called Katrina, has a dog. He's Hes a German			
	tense. Write provided. H for you. caught brought hopped saw took This questi pairs of we word is con I really enje no pets pe friend, who	caughtcatchbroughthoppedsaw	tense. Write the present tense of each of the verbs in the spaces provided. Be careful with your spelling. The first one has been done for you. caught catch brought	tense. Write the present tense of each of the verbs in the spaces in this column provided. Be careful with your spelling. The first one has been done for you. caught catch brought

16. A bottle of lemonade normally costs £1.20. A special offer lets you Do not write in this column buy 3 for the price of 2. How much cheaper are three bottles in the special offer compared with three bottles at the normal price? Write your answer in the space below. £ _____ Look at the **four mathematical statements below**. Tick \square the correct 17. box to show whether each statement is **true** or **false**. True False $623 + 623 + 623 + 623 = 4 \times 623$ 1172 - 541 = 541 - 1172 $821 \div 144 = 144 \div 821$ $591 \times 731 = 731 \times 591$ 18. Katie is facing west. She turns through a quarter turn anticlockwise. In which direction is she now facing? Write your answer in the space below. 19. A shape which can be **folded** up to make a **cube** is called a **net** of a cube. Look at the **4 shapes** below. Which **one** is **not** the net of a cube? Circle the correct shape. (4)**GO STRAIGHT TO PAGE 8**

Do not write in this column

(4)

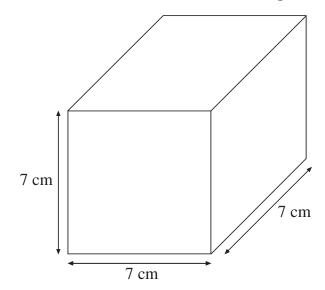
20. A ball is dropped from a height of 160 cm. It bounces up to a height of ³/₄ of its original height. How high does it bounce on its first bounce? Write your answer in the space below.

_____ cm

21. The same ball is dropped again but this time from a different height. It reaches a height of 210 cm on its first bounce. What height was it dropped from? Write your answer in the space below.

_____ cm

22. Look at the cube below. Each side is 7 cm long.



What is the **total surface area** of the cube? Write your answer in the space below.

 $----- cm^2$

23. What is the **total length** of **all the edges** of the cube? Write your answer in the space below.

_ cm

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

The Prison Island

Alcatraz is an island in San Francisco Bay. On the island was	(line 1)
built a prison for dangerous criminals. Opened in 1934,	(line 2)
the first group of prisoners included the notorious gangster	(line 3)
Al Capone. Each won of the 53 prisoners to arrive on the	(line 4)
island had their legs clamped in irons. They were chained to	(line 5)
the seats of the train that delivered them to the prisons gate.	(line 6)
The routine of life at Alcatraz included an early start at 6.30	(line 7)
in the morning, a day of hard physical labour and then lights	(line 8)
out at 9.30 in the evening, Bad behaviour earned an inmate	(line 9)
a day in D Block where the individual would remain	(line 10)
locked up in isolation 24 hours a day. With only a diet of	(line 11)
bread and water, this punishment was hard to bear.	(line 12)
One man spent an amazing 97 days in these conditions.	(line 13)
Can it be a surprise that prisoners tried to escape from the	(line 14)
island prison. In total, there were 39 recorded attempted	(line 15)
escapes. While making their bid for freedom seven men were	(line 16)
shot, one man drownd and five were never found. The other	(line 17)
prisoners hoped that their friends had made it to freedom.	(line 18)

Each line of the passage is numbered. There is a spelling error in one of 24. the lines. Tick \checkmark the number of the line containing the spelling error.

line 3	
line 9	
line 15	
line 17	

Do not write in this column



25. A question mark is needed instead of a full stop in one line of the passage. Tick \checkmark the number of the line where the question mark is needed.

line	6	
line	13	
line	15	
line	18	

26. A word has been used incorrectly in the passage. Tick \square the number of the line where the error was made.

line	4	
line	5	
line	12	
line	16	

27. There is an apostrophe missing from one of the words in the passage. Tick \square the number of the line containing the word with the missing apostrophe.

line	2	
line	4	
line	6	
line	14	

28. In one line of the passage a comma has been used incorrectly. A full stop rather than a comma should have been used. Tick \square the number of the line in which this error was made.

line	2	
line	9	
line	12	
line	17	

D	o no	ot v	vrite
in	this	со	lumn

29. A drawer contains 13 pairs of blue socks and 7 individual red socks. Do not write in this column How many socks are in the drawer altogether? Write your answer in the space below. _____ socks 30. There are **360 pages** in a **book**. Tracey has read 75% of the book. Tracey reads complete pages and doesn't skip pages. How many pages are left to read? Write your answer in the space below. _____ pages 31. Look at the **rectangle** below. Its **length** is **8 m** and its **breadth** is **3.5 m**. 3.5 m 8 m What is the **perimeter** of the **rectangle**? Write your answer in the space below. _____ m Look at the rectangle again. A square has the same perimeter as this 32. rectangle. What is the area of the square? Write your answer in the space below. _____ m²

(4)

Do not write in this column

(4)

33. Five sprinters ran 100 m. **The table below** shows the **time** taken by each sprinter in seconds.

Sprinter A	Sprinter B	Sprinter C	Sprinter D	Sprinter E
10.01 secs	10.1 secs	9.98 secs	10.98 secs	10.11 secs

(a) Which sprinter was the slowest? Circle the correct answer below.

A B C D E

(b) Which two sprinters were faster than sprinter B? Circle the correct answers below.

A B C D E

34. Look again at the table showing the time taken by each sprinter. How much **faster** was **sprinter C** than **sprinter E**? Write your answer in the space below.

_____ seconds

35. The temperature at noon on Monday is -5 °C. The temperature increases by 2 °C every 24 hours. What is the temperature at noon on Thursday? Write your answer in the space below.

_____°C

36. Gerard wakes up on Wednesday at 7:22 am. He has been asleep for9 hours and 17 minutes. At what time on Tuesday did he fall asleep?Write your answer, using the 12 hour clock, in the space below.

_____pm

The Birthday Surprise

The night before my birthday I lay in bed awake. Before my eyes flashed Visions of parcels, balloons, Jelly, ice-cream With heaps of iced birthday cake.

On falling into slumber The images did not cease. Now I was there, a tiny me Amidst the celebration.

Feet sticking in the icing, I tried to scale the slope. My icing-covered feet were Glued there, for me there Was no hope.

An enormous balloon loomed overhead, Cutting out the light. The red shiny surface, Now signalling danger, Filled me with such fright.

Stuck there quivering nervously, White sticky stuff surrounded, I saw that my terror was in fact Seriously well founded,

For in a giant hand above, Came swooping from the night, A fiery torch, flames golden fierce The birthday blower's candles to light.

I woke at once, sweat on my brow, Tucked up securely in my bed. "Happy birthday!" my family Chorused loudly from below. "No cake or balloons for me today," In a trembling voice I said.

Richard Briggs

- **37.** In verse two of the poem which phrase of 3 or 4 words means the same as going to sleep? Write your answer in the space below.
- **38.** In **verse three** of the poem, which **word** is closest in meaning to **climb**? Write your answer in the space below.
- **39.** In **the last verse** of the poem which **word rhymes** with **said**? Write your answer in the space below.
- **40.** Look at the **five sentences below**. **Each sentence describes an event** in the poem. Use your **understanding of the poem** to **put these events in the order in which they happened**. **Use the numbers 1 to 5** to show the order. The first event has been done for you.

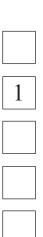
The poet wakes up suddenly from his nightmare.

The poet thinks about his birthday celebrations.

The poet dreams of being a tiny figure on a cake.

The poet imagines a big balloon floating overhead.

The poet decides he doesn't want cake after all.



GO STRAIGHT TO PAGE 16

(5)

stateme	nts below. W	hich statemer	irthday blower' nt best describes ck ∠ the best sta	the meaning of	Do n in this
A device	e for lighting	the birthday	candles.		
The pers	son who is ce	elebrating his	birthday.		
A party	blower whicl	n makes a lou	ld noise.		
	-	•	are mentioned in st one has been c	n the poem. Write lone for you.	
brow					
Write th	e words belo	w in alnhahe	etical order in th	e spaces provided	
		w in alphabe n done for yo sticky		e spaces provided. surrounded	
The first	t one has bee	n done for yo	bu.		
The first stuff	t one has bee	n done for yo	bu.		
The first stuff	t one has bee	n done for yo	bu.		
The first stuff	t one has bee	n done for yo	bu.		
The first stuff	t one has bee	n done for yo	bu.		
The first stuff	t one has bee	n done for yo	bu.		
The first stuff	t one has bee	n done for yo	bu.		

four poss	ible outcom		e of the dice. Look at the	Do no in this
Outcome	A: Susan rol	ls a 3		
Outcome	B : Susan rol	ls an even number		
Outcome	C: Susan rol	ls a 3 or a 5		
Outcome	D : Susan rol	ls a number which is not	t a 3	
Write a l		s in order from least like of the spaces below. The		
$\frac{A}{(\text{least lik})}$	cely)		(most likely)	
Flavour	e shown in th of Crisp	Number of People	Percentage	
Flavour Plain			Percentage 16%	
Flavour Plain Salt and Cheese a	of Crisp Vinegar and Onion	Number of People 531 679 1020		
Flavour Plain Salt and	of Crisp Vinegar and Onion	Number of People531679		
FlavourPlainSalt andCheese aSmokeyOther	of Crisp Vinegar and Onion Bacon	Number of People 531 679 1020 401	16%	
FlavourPlainSalt andCheese aSmokeyOtherThe five peach flavo12%Use these	vinegar and Onion Bacon bercentages bur: 16%	Number of People 531 679 1020 401 751 below are the percentage 20% 22% cages to complete the tab	16%	
FlavourPlainSalt andCheese aSmokeyOtherThe five peach flavo12%Use these	vinegar and Onion Bacon bercentages our: 16% five percent	Number of People 531 679 1020 401 751 below are the percentage 20% 22% cages to complete the tab	16%	

(2)

46. In a hockey tournament **each team** must **play 5 games**. The five numbers below are the **goals scored by a team at the end of the tournament**.

2 5 4 3 6

What is the **mean** (average) **number of goals** in the tournament for this team? Write your answer in the space below.

_____ goals

47. Another team played 5 games. They scored the following number of goals in their **first 4 games**:

3 3 1 5

How many goals did they score in their last game if they have a mean score of **3 goals** at the **end of the tournament**? Write your answer in the space below.

_____ goals

48. Yvonne **turns** a lid **one and a half times** to open a jar. **Through how many degrees** did she turn the lid? Write your answer in the space below.

0

49.	One quadrilateral has four right angles.	Do not write in this column
	Another quadrilateral has exactly one pair of parallel lines and no right angles.	
	Which one of the following statements is true ? Tick \square the correct answer.	
	The two quadrilaterals are a rectangle and a trapezium .	
	The two quadrilaterals are a rectangle and a square .	
	The two quadrilaterals are a parallelogram and a rhombus .	
50.	Stuart buys a book that costs £7.48 . He pays with a £10 note . The shopkeeper gives him change. His change is made up of £1 coins , 10p coins and 1p coins . What is the smallest number of coins that Stuart could receive? Write your answer in the space below.	
	coins	
51.	If the shopkeeper gives Stuart two £1 coins and 16 other coins in his change, how many 10p and how many 1p coins would he get? Write your answer in the space below.	
	10p coins and1p coins	
	GO STRAIGHT TO PAGE 20	(3)

The Cave

Vines dangled over the half-hidden edge. The ground opened and gaped before me, a narrow rope ladder leading into the unknown. It was the only way in and the only way out. With a deep lungful of damp air, I swung a leg onto the first rung and began my descent. I gazed up into the Mexican sun, still strong on my skin and hair. I wouldn't see light again like this for hours and I felt myself shudder, despite the heat.

"Catch," my brother shouted, dropping my swimming goggles and rucksack into my waiting hands when I reached the murky bottom.

The water I caught sight of in the weak beam of my torch was jade green and black – it was all I could see. As my brother climbed down after me, his rucksack hanging from his arm, I stood in the deep cave and called out. I heard dripping water, the sounds of the bright sun-lit jungle above us... and bats.

I tried not to listen to them squeak and scratch unseen above me. In the depths, I put on my goggles and sank into the warm water. "Take a deep breath," my brother warned. Then he disappeared.

I swallowed another lungful of air and followed, diving into the water. Under water and without a light I could see nothing. My fingers felt the rocky ceiling covered in thick moss, searching for the edge that I thought should be somewhere close at hand. As the seconds ticked by, my calm searching became frantic grasping. What if the last breath I took before diving was actually my last breath? I did the worst thing possible... I panicked!

My chest heaved and the last of the tiny bubbles escaped my lips. My head hit the rocky edge above. No room to surface. No room to breathe. With a desperate effort I propelled myself into the dark. At last, my fingers found the rough edge and I pulled myself to freedom, the surface and AIR.

Gillian Johnson

52.	One of the three statements below is true . Tick \square the true statement.	Do not write in this column
	The two children are near the summit of a Mexican mountain.	
	The two children are exploring a cave that is deep underground.	
	The two children are practising their diving at a swimming pool.	
53.	What word in paragraph one tells us that the writer was unfamiliar with the cave? Write your answer in the space below.	
54.	Based on your reading of paragraph one , which word best describes the writer's mood in the story? Tick \square the best answer below.	
	delighted	
	confident	
	apprehensive	
55.	Which word in paragraph four suggests that the bats aren't visible ? Write your answer in the space below.	
56.	Find the word in paragraph six which is closest in meaning to pushed forward . Write your answer in the space below.	
	GO STRAIGHT TO PAGE 22	(5)

57.		he writer get her goggles? Look at the three statements $k \square$ the best answer.	Do not in this o		
	The writer	found them in the cave.			
	She was gi	iven them by her brother.			
	They were	e in the writer's rucksack.			
58.	the passag	e four words below. For each word find a word from ge which is opposite in meaning . The first one has for you. Write your answers in the spaces provided.			
	ascent	descent			
	strong				
	thin				
	smooth				
		-			
	LOOK OVER YOUR PAPER UNTIL TIME IS UP.				

MAKE SURE YOU HAVE NOT MISSED A PAGE.

Association for Quality Education Limited

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