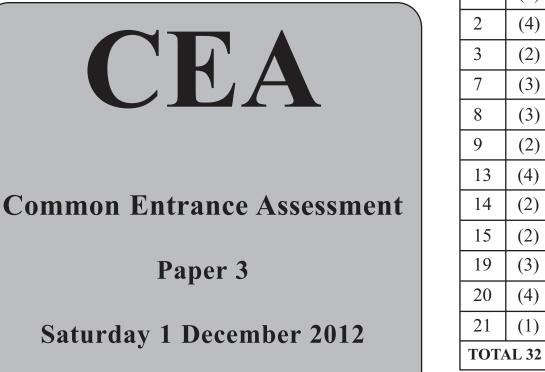
Do not turn over or open this booklet until told to do so



Time: 1 Hour

Please fill in the following from your admission card:

Your Candidate Number \_\_\_\_\_

Your Assessment Centre \_\_\_\_\_

Your Date of Birth \_\_\_\_\_

Answer	all	58	questions	in	this	booklet	

NOT TO BE FILLED IN BY THE PUPIL **MATHEMATICS** Marks Score Page Check 1 (2)2 (4) 3 (2) 7 (3) 8 (3) 9 (2) (4) 13 14 (2)15 (2)19 (3) 20 (4) 21 (1)

NOT TO BE FILLED IN BY THE PUPIL						
	ENGLISH					
Page	Marks	Score	Che	ck		
5	(5)					
6	(4)					
10	(1)					
11	(3)					
12	(1)					
16	(1)					
17	(6)					
18	(2)					
23	(5)					
24	(4)					
TOTA	TOTAL 32					
TOTAL SCORE						

1.			Do not in this c	
	One	e third		
	Two	o thirds		
	One	e half		
	One	e quarter		
	Thr	ee quarters		
2.	Frequency	friends		
		friends		
		GO STRAIGHT TO PAGE 2		

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**3.** What is the **range** of answers given? Give your answer in days. Write your answer in the space below.

\_\_\_\_\_ days

4. A film is on Channel 1. Another film is on Channel 2. They both finish at the same time. The film on Channel 1 lasted 150mins and started at 7pm. The film on Channel 2 lasted 120mins. At what time did the film on Channel 2 start? Give your answer using the 12 hour clock. Write your answer in the space below.

\_\_\_\_\_ pm

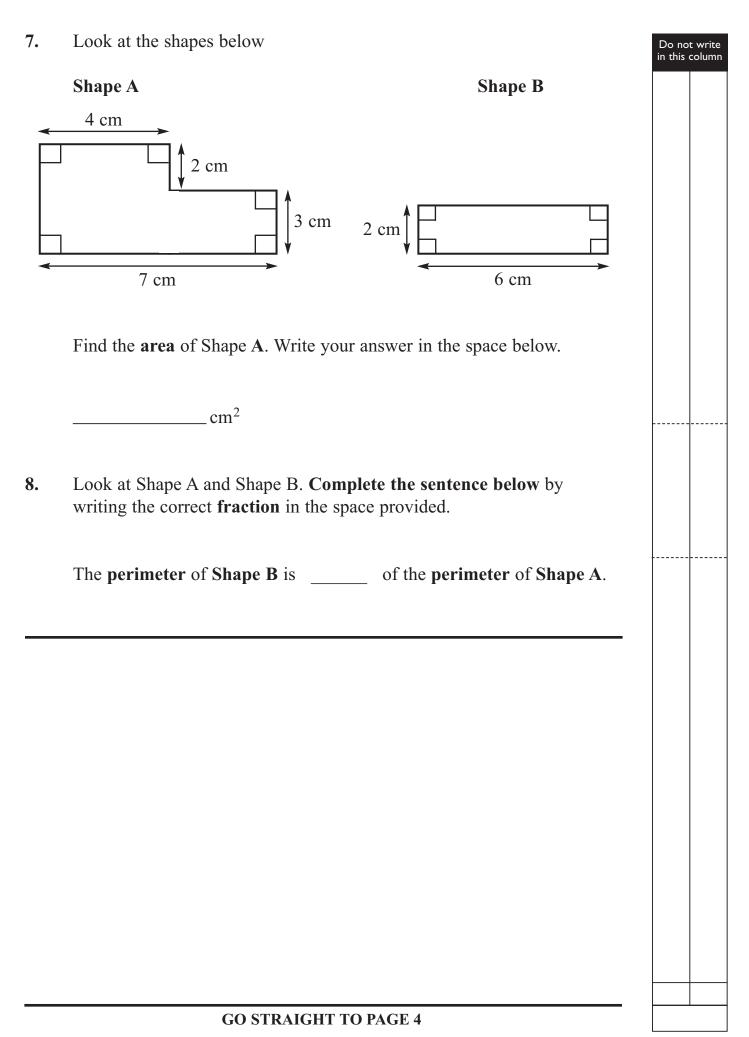
5. Look at the table below. It shows the **melting points** of **three** substances. The three melting points are given in <sup>o</sup>C.

Substance	Melting Point <sup>o</sup> C
Helium	- 270
Mercury	- 39
Oxygen	- 218

Which **substance** has the **lowest** melting point? Write your answer in the space below.

6. Room temperature is 20°C. How many degrees is this above the melting point of mercury? Write your answer in the space below.

\_\_\_\_\_°C



# Freedom

Children wait patiently, watching the clock's hand tick slowly towards break time. The bell rings.

Maths books and class novels are discarded in the race to be first out the door and into the bustle of the playground.

School room doors burst open, expelling pupils in a frenzy. The stillness of this spring morning is shattered by the delighted shrieks

of children let off their lessons, and the pounding of trainers on tarmac. Balls are bounced, ropes are jumped, every second is savoured.

Teachers stroll to the staffroom. This period of release relished as much as the playground activities themselves. A seized opportunity to rest and recharge.

Through the chaos of the school yard the bell screams its call to class. Running children come to a halt mid-chase, laughter replaced by a chorus of sighs.

All too soon, the trudge to class begins. Lines snake through corridors, returning pupils and teachers alike to classrooms, learning continues

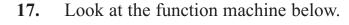
and the patient waiting for the clock's hand to tick slowly towards freedom once more.

9.	Look at the <b>three words</b> listed below. Find the word <b>opposite in</b> <b>meaning</b> to each of these words. The opposites you are looking for can be found in <b>verses two and three</b> of the poem. Write your answers in the spaces provided.	Do not write in this column
	last	
	in	
	close	
10.	Look at verse one. Based on your reading of the poem, what are the children watching? Tick $\square$ the correct answer below.	
	The classroom clock.	
	The teacher gesturing.	
	The bell on the wall.	
11.	Which <b>word</b> in <b>verse three</b> of the poem tells us that the children are <b>happy</b> that the bell has rung? Write your answer in the space below.	
12.	Look at the <b>three statements</b> below. Only <b>one</b> of the statements is <b>true</b> . <b>Based on your reading of the poem</b> , tick $\square$ the true statement.	
	The poem is about afternoon in a school.	
	The poem is about a school at break time.	
	The poem is about the life of a teacher.	

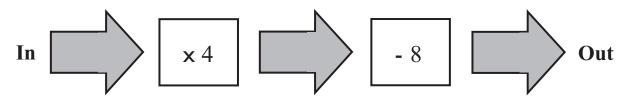
13.	Look at verse five of the poem. Based on your reading of this verse, which of the three statements below is true? Tick $\square$ the best answer.	Do not write in this column
	The teachers hurry to the staffroom at break time.	
	The teachers like break time as much as the pupils.	
	The teachers become more anxious at break time.	
14.	Look at <b>verse six</b> . Which <b>four word phrase</b> tells us that <b>the children</b> <b>are unhappy</b> that the bell has rung a second time? Write your answer in the space below.	
15.	In which <b>season</b> is the poem set? Write your answer in the space below.	
	GO STRAIGHT TO PAGE 7	

Do not write in this column

16. In a triangle, one of the angles is twice the size of another angle. The third angle is a right angle. What size is the smallest angle? Write your answer in the space below.



0

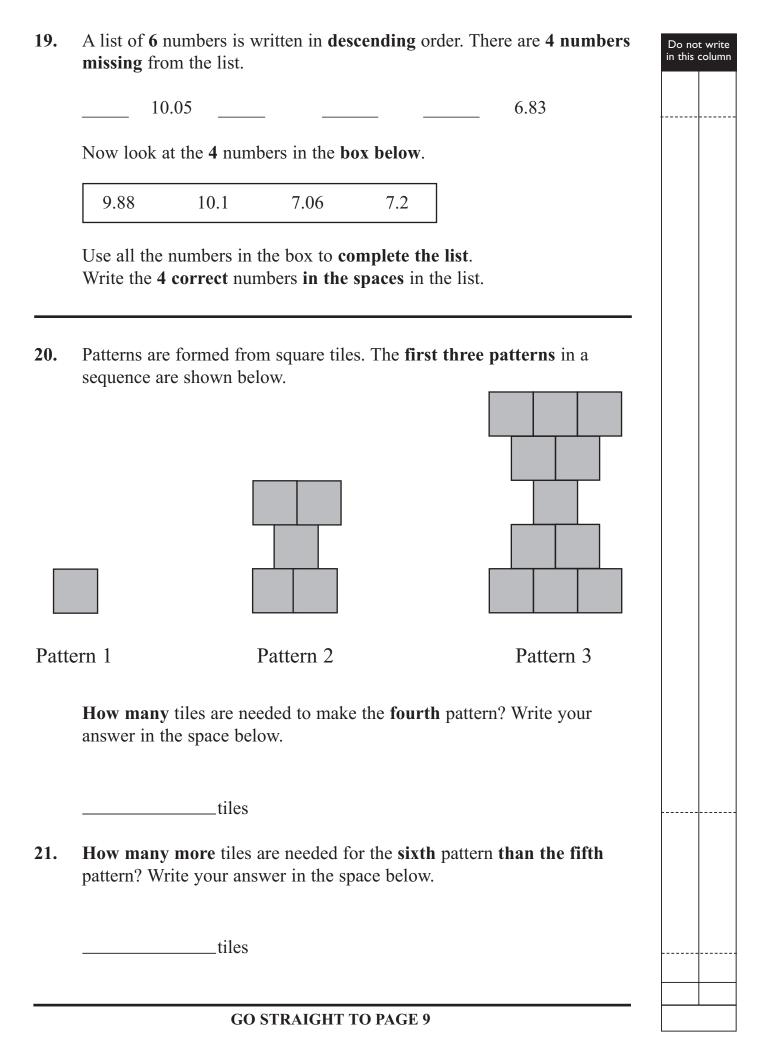


Use this function machine to complete the table below.

In	Out
10	32
12	
	0

18. John, Sam and Sean work as waiters. The table below shows how much they were paid, the **hours** they worked, and the amount they were **paid per hour**. The table has two blank spaces. **Complete the table**.

Waiter	Pay	Hours worked	Pay per hour
John	£56.00	8	£7.00
Sam	£45.50	7	
Sean	£76.50		£8.50



**- - - - -**

22.	There are <b>18 boys</b> and <b>2 girls</b> in a class. What <b>fraction of the class</b> is boys? Tick $\square$ the correct box below.	Do not write in this column
	$\frac{1}{9}$	
	$\frac{18}{2}$	
	$\frac{9}{10}$	
	$\frac{16}{18}$	
	18	
23.	What <b>percentage of the class is girls</b> ? Write your answer in the space below.	
	9%	

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

# Asthma

Asthma is a condition affecting the lungs which cannot be cured.	(line 1)
It is a common childhood condition that can be well controlled	(line 2)
in most sufferers, the severity of asthma symptoms varies between	(line 3)
children, from very mild to more severe. In the UK, over 1.1 million	(line 4)
children have asthma. It is more common in young boys than young	(line 5)
girls. However, this changes as children get older and, after puberty,	(line 6)
asthma is more common in girls.	(line 7)

During the teenage years, the symptoms of asthma may disappear. (line 8) The cause of asthma is not fully understood. It is known that asthma (line 9) often runs in families and a child is more likely to have asthma if one (line 10) or both parents have the condition. Asthma attacks can be triggered (line 11) buy: exercise, dust mites, animal fur, grass pollen, tree pollen, (line 12) tobacco smoke, and other allergens. Asthmatics airways are (line 13) affected by these triggers and they find it difficult to breath. (line 14) Do you know what to do if this happens. If you're an asthma sufferer (line 15) then the answer is probably yes, but what about friends and family? (line 16)

24. Each line of the passage is numbered. A word has been used incorrectly in the passage. Tick  $\square$  the number of the line where the error was made.

line	1	
line	12	
line	13	
line	16	

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	4	
line	7	
line	9	
line	15	

26. There is a spelling error in one of the lines. Tick  $\square$  the number of the line containing the spelling error.

line	8	
line	10	
line	14	
line	15	

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	11	
line	13	
line	14	
line	16	

**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	3	
line	4	
line	8	
line	13	

Do not write in this column

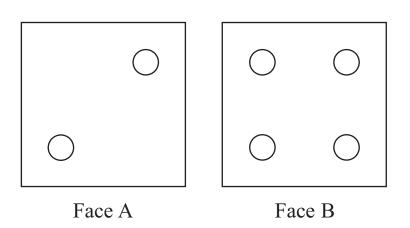
**29.** There are streetlights **every 20 m** along a **straight** road. What is the **distance between** the **first** and **fifth** streetlight? Write your answer in the space below.

\_\_\_\_\_metres

**30.** What is the **distance between** the **third** and **twenty-fourth** streetlight? Write your answer in the space below.

\_\_\_\_\_metres

**31.** The figure below shows **2 faces** of a die. In the spaces below, write down the **number of lines of symmetry** for face A and face B.



 Face A has \_\_\_\_\_\_
 lines of symmetry.

 Face B has \_\_\_\_\_\_ lines of symmetry.

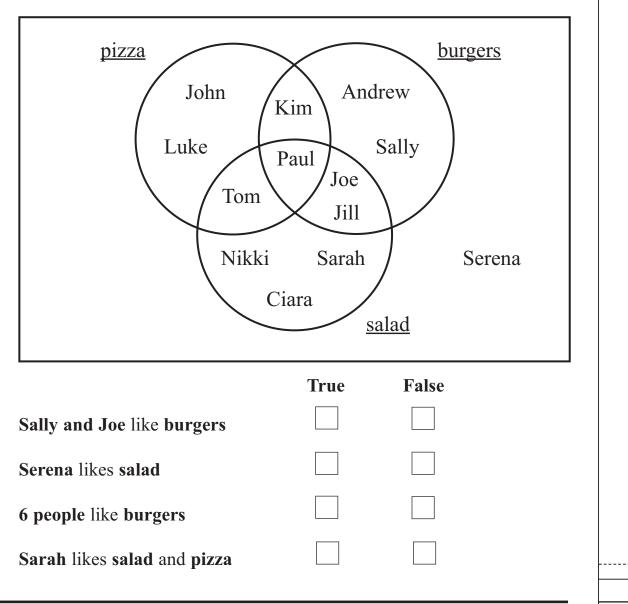
32. Football pitches are rectangular. The length should be at least 100 metres. The width should be at least 50 metres. What is the area of the smallest possible football pitch? Write your answer in the space below.

\_\_\_\_\_ m<sup>2</sup>

- 33. Bethany had 29 coins in her purse. She had
  - **3 10p** coins
  - **14 5p** coins
  - 8 2p coins
  - 4 1p coins

At the bank, Bethany exchanged these coins for **20p** coins. **How many 20p** coins did she get? Write your answer in the space below.

34. A class survey was carried out to find out the foods 13 different pupils enjoy. The Venn diagram below shows the results of the survey. Look at the 4 statements below. Using the Venn diagram tick I True or False for each statement.



35.	the rest are gre	ts in a drawer. <b>10</b> socks are <b>red</b> , <b>17</b> socks are <b>blue</b> and <b>en</b> . She picks out a sock at random from the drawer. <b>outcomes</b> below.	Do not write in this column
	Outcome A:	Jane picks a <b>red</b> sock	
	Outcome B:	Jane picks a <b>blue</b> sock	
	Outcome C:	Jane picks a green sock	
	Outcome D:	Jane picks a <b>black</b> sock	
	Outcome E:	Jane picks a <b>red or</b> a <b>green</b> sock	
		comes in order from impossible to most likely by ect letter in each of the spaces below. The outcome ten in for you.	
		Е	
	Impossible	Most Likely	
36.	•	nds. She asks each friend <b>how many children</b> there are Their answers are shown in the list below.	
	3 2	1 2 3 2	
	Mary then adds	to this list the number of children in her family.	
		' numbers in the <b>new</b> list. The <b>range</b> of these <b>7</b> <b>ow many children</b> are there in <b>Mary's</b> family? Write he space below.	
		children	

# Expedition

Wind blows frosty, freezing breaths In clouds of icy smoke, Puffs lingering behind Like spirits Broken apart.

The frozen air so cold and crisp Bites ferociously at our toes and fingertips. We trudge laboriously Onwards knee-deep in snow Slowly slowing our steps.

A desert of snow, no horizon in sight, In the distance white upon white. As the day grows old, still nothing, No light to dark or dark to light Ever onwards morning to night.

And on we tread, on we trail Our aching limbs until No more the smoky breaths Expelled like spirits Broken apart. We stop. Frozen.

**37.** The title of the poem is "**Expedition**". **Based on your reading of the poem** which of the following statements **best** explains the meaning of this word? Tick ✓ the correct answer below.

An aimless voyage.	
A relaxing holiday.	
An arduous journey.	
A sightseeing trip.	

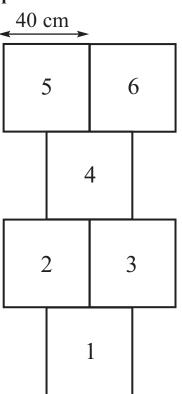
	<b>d</b> in <b>verse one</b> is <b>closest in meaning</b> to <b>remaining</b> ? answer in the space below. <b>Be careful with your spelling</b> .	Do r in thi
Which vers below.	the has some lines which <b>rhyme</b> ? Tick $\square$ the correct answer	
verse 1		
verse 2		
verse 3		
verse 4		
	ur which word is closest in meaning to drag. Write the	
word in the	e space below. Be careful with your spelling.	
	rse three of the poem. What phrase of <b>five words</b> is used to <b>hight is approaching</b> ? Write your answer in the space below.	
	· ·	
	· ·	
	· ·	

<b>Based on your reading of the poem</b> , consider and decide if it is <b>true</b> or <b>false</b> . Tick $\checkmark$ the box			Do no in this	t wri colun
	True	False		
Walking isn't easy on the expedition.				
There are ghosts following the expedition.				
The snow is only a few centimetres deep.				:

44. A loaf of bread contains 20 slices of bread. Every day Conor uses 2 slices to make toast and 2 slices to make a sandwich. How many loaves of bread does Conor use in 15 days? Write your answer in the space below.

\_\_\_\_\_loaves

45. Look at the diagram of a hopscotch grid below. It is made up of identical squares. Each square has a number written in it. The length of the side of each square is 40 cm.



What is the total **area** of the **squares** which have **odd numbers written in them**? Write your answer in the space below.

\_\_\_\_\_cm<sup>2</sup>

**46.** What is the **perimeter** of the **hopscotch grid**? Write your answer in the space below.

\_\_\_\_\_cm

47. 5 miles is the same distance as 8 kilometres. What distance in kilometres is the same as 7.5 miles? Write your answer in the space below.

\_\_\_\_\_kilometres

- 48. A number is a palindrome if it looks the same backwards as forwards. For example, the three numbers: 232, 16061 and 11311 are all palindromes. What is the biggest palindrome which is less than 800? Write your answer in the space below.
- **49. How many** palindromes are there **between 250** and **300**? Write your answer in the space below.
- **50.** Look at the **3 statements** below about the angle **a** °.

**a** <sup>o</sup> is an **obtuse** angle

a is a multiple of 50

a is a multiple of 6

What is the size of a? Write your answer in the space below.

0

----

**51.** Look at the calculation below.

#### 48 × 116 = 5568

Use this to help you **complete the 2 calculations** below. Write your answers in the spaces provided.

5568 ÷ 48 = \_\_\_\_\_

48 x 117 =

# Bully

Amy stuck her head round the classroom door and glanced cautiously around the playground before taking a guarded step out onto the battlefield. She had her target in sight. Sarah Brown: Class Bully.

Amy had had enough. She was not going to let Sarah Brown and her cronies ruin her life any more. She was sick of having her dinner money stolen; sick of the crude names they called her when they knew she could hear and sick of feeling scared to enter the playground at lunch time. Amy was going to give Sarah Brown a piece of her mind.

Unfortunately, Amy's head was a lot braver than her body. How was she going to tell Sarah Brown exactly what she thought of her if her feet wouldn't move as far as the classroom door? Her legs felt like jelly every time she lifted them and her heart beat like a drum at the mere thought of walking across the school yard.

Amy glanced back across at Sarah, surrounded by her fabulous friends, with their fabulous hair, laughing at each other's fabulous jokes. She found herself imagining what it might be like to be one of their gang, to be pretty and popular and have other people vying for her attention. Amy wasn't sure if she wanted to be part of the 'in' crowd, but she was certain she no longer wanted to be founder and sole member of the 'out' crowd!

"Oi! What you lookin' at?"

Amy came crashing back to reality just in time to see Sarah making her way across the playground towards her.

"I said, what are you lookin' at?" Sarah's voice boomed across the yard, bringing younger pupils to a standstill.

Amy panicked. There was nowhere to run, nowhere to hide. Sarah and her clan were advancing towards her, surrounding her, making escape impossible. Her heart thundered wildly in her chest. Her legs felt like they were about to buckle. Sarah was close enough now that Amy could feel the heat of her breath on her face. She saw the aggression in Sarah's eyes. There was no backing out now. She had to do something. Amy heard the words before she realised they were coming out of her mouth.

"Something ugly lookin' back!" she hollered at the top of her voice. She was in for it now...

Do not write in this column

52.	Look at <b>paragraph one</b> of the passage. Which <b>two words</b> in this paragraph tell us that Amy is <b>nervous</b> about going into the playground?	Do not write in this column
	Tick $\square$ the <b>two best</b> words below.	
	cautiously	
	glanced	
	guarded	
	stuck	
53.	Which word in <b>paragraph two</b> of the passage is <b>closest in meaning</b> to <b>followers</b> ? Write your answer in the space below.	
54.	In <b>paragraph three</b> of the passage the writer describes Amy's legs as feeling "like jelly". A <b>simile</b> is when the writer compares one thing to another using the words ' <b>like</b> ' or ' <b>as</b> '. What other phrase of <b>five or six words</b> in this paragraph is also a simile? Write your answer in the space below.	
55.	Look at <b>paragraph four</b> of the passage. Which <b>two word</b> phrase tells us that Amy was the <b>only pupil in the 'out' crowd</b> ? Write your answer in the space below.	

	verb	noun	adjective	adverb
glanced				
playground				
fabulous				
cautiously				
		agressive attitu		to buckle"
· ·		•	egs were about $k \square$ the best ans	
Her belt entar	ngles her leg	<u>g</u> s.		
Her legs will	not hold he	r up.		
She uses her l	belt for defe	ence.		

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