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

CEA

Common Entrance Assessment

Paper 2

Saturday 28 November 2009

Time: 1 Hour

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Your Candidate Number _____

Your Assessment Centre

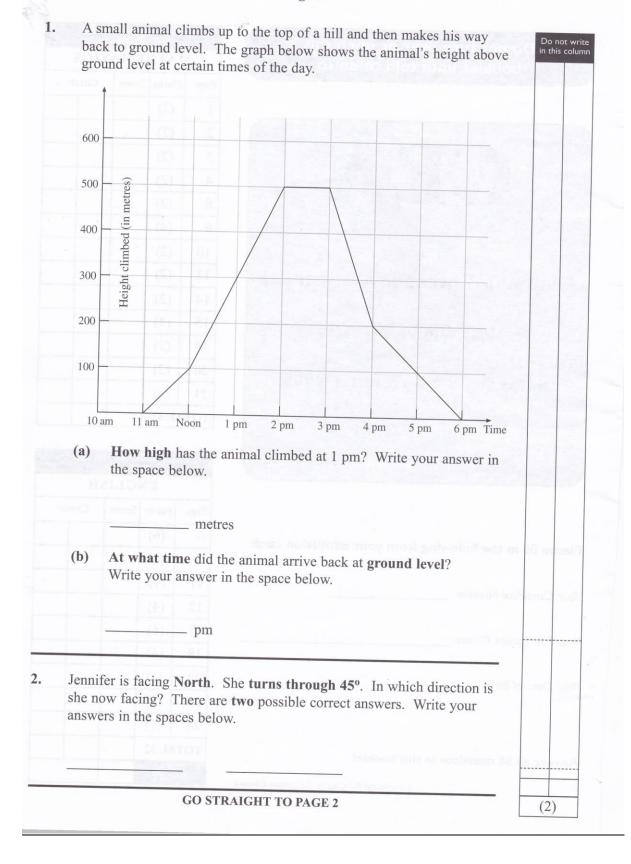
Your Date of Birth

Answer all 58 questions in this booklet

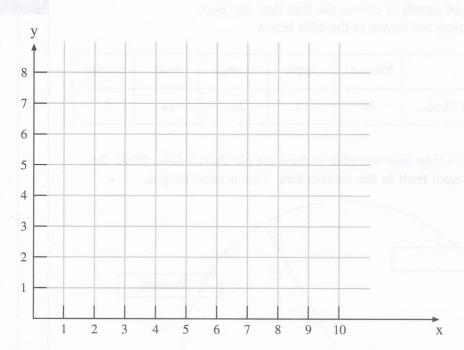
Association for Quality Education Limited

NOT TO BE FILLED IN BY THE PUPIL **MATHEMATICS** Marks Score Check (2) (2)(2) (2)(2)(4) 10 (2)13 (2)14 (2) 15 (4)19 (2)(2) 21 (4)TOTAL 32

	IL I	IGLIS	п
Page	Marks	Score	Check
6	(6)		
7	(2)	N 1A	(d)
11	(1)	DETA	
12	(4)		
17	(6)		
18	(4)		
22	(3)	zi ısi	mat
23	(5)	ist wo	she r
24	(1)	III SE	WEILS.
ГОТ	AL 32		



3. Look at the grid below.



- (a) Plot the points (1, 4), (8, 4) and (8, 1) on the grid.
- (b) When a **fourth point** is added to the grid, the four points can be joined to form a **rectangle**. Write the **coordinates** of the fourth point in the space below.
- What time is 5 hours and 22 minutes earlier than noon?
 Write your answer using the 12 hour clock (am/pm), in the space below.

GO STRAIGHT TO PAGE 3

(2)

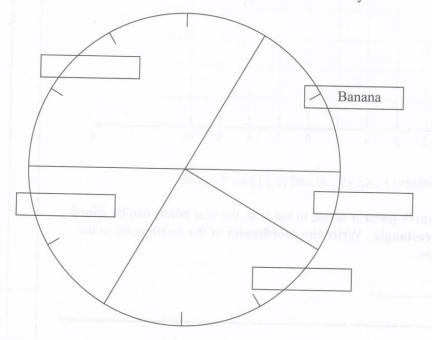
Do not write in this column

5. A teacher is carrying out a survey about healthy eating in school. She asks 60 pupils to choose the fruit they like best. Their choices are shown in the table below.

Do	no	t w	rite
in th	is o	col	umn

	banana	apple	orange	pear	mango
Number who liked	10	15	20	10	5

The teacher then uses the table to draw the pie chart below. Write the name of each fruit in the correct box. One is done for you.



6. A school pays for:

25 pens at 40 pence each 130 rulers at 60 pence each and 4 notebooks at 50 pence each.

Find the **total amount** the school will have to pay. Write your answer in the space below.

£ _____

GO STRAIGHT TO PAGE 4

(2)

11/1/14	Pag	ge 4 may 9			
7.	Complete the following calculations. spaces below.	Write your answers in the		Do not in this c	
	24 ÷ 10 =			l bos	
	257 ÷ 100 =		ware fi ED bes	obb. grew	
	42.7 ÷ 10 =	a word, protesd you haven't bean a tlong bas occurred -			
8.	Look at the number below.	makes me iller and iller	Irlgrodi	yası.	
	5.74				
	What is the value of the 7 digit in this Tick the correct box below.		neg slaue	i II da	
	seven hundreds				
	seven tens				
	seven units		Jravina	s oris	
	seven tenths				
	seven hundredths				
	seven thousandths				ant.
		versit belo salt prestersi	alt ac	grissi	
			a sal blo	95 H	
	GO STRAIGHT TO	PAGE 5		(2))

Do not wrin this column
- 189 =
42.7 + 10 *
Logic as the anather below:
What is the value of the Velicit to
The Earlie correct box below.
sever hasheds
eduna delese
edification advec
seven thousanoths

	with a vowel. Write the name of each in the space below.		
	osing gottinger & Teories as at strong	127 PL	
	madamme seizmeth a seamon		
).	Based on your reading of the poem, which of the statements below best describes Bert's platypus? Tick ✓ the best answer.	IT 5	
	very obedient	2017	
	long-tailed	los!	
	slow moving	kod	
	easily agitated	103	
	cashy agnated	PER	
•	The poet is afraid that two of Bert's animals will fight. Name the two animals. Write your answers in the spaces below.	liei Line	
	and		
	The poet tells us that Bert's hobby is getting out of control. He wants us to keep this fact a secret. In which verse of the poem does the poet ask that Bert's hobby be kept a secret? Tick the correct box below.		
	verse 1		
	verse 2		
	verse 3		
	verse 4		
	Ladies is the plural form of the singular noun lady. Write the singular form of each of the following plural nouns. Take care with your spelling. Write your answer in the space provided.		
	pigs		
	cattle		
	geese		
	oxen		

	In verse 12 of of rumpus? Tie	the poem the way \mathbb{Z} the best at	nswer.	s used. What i	s the meanin	g Do, in th	not wri
	a rumpus is an	animal's gruntin	ng noise				
	a rumpus is a d	isruptive comm	otion				
	a rumpus is an	animal's hindqu	iarters	assq M. to ga Teksayyteto		no freezi	3,0
5.	When Bert adds feels sick. Which box below.	s one particular ch animal? Giv	animal to his e your answe	collection, his or by ticking	brother the correct	nelo	
	gorilla aardvark					ER HALL	
	lion	d model select					
	grizzly bear						
						wag mili was kap was kans was kans was kap	
						A STORY SOUTH	
						A Section	
						7 57 707	
						n orient lar muo	
						lar onso	
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						lar onso	

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4		4	5	6		1	
2		5	8	6		8	la deol
1		7	7	5		8	- 8.0
the ju	dge. Com		e by writin				
Sea	n's score	Frequency					
1	- 3	nsch 🖂 inc	ni pë - ze				
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	1,000	III SEMINERIA	uphra ve				
	each of	below are abothe statement					e gar
					True	False	(4)
A cub	e has 6 fac	ces					
	inder has 2	l flat faces an	d 1 curved	face			
A cyl	e has 6 ve	rtices					
	1 .	sm has 9 edge	es				
A cub	ngular pris						- 1

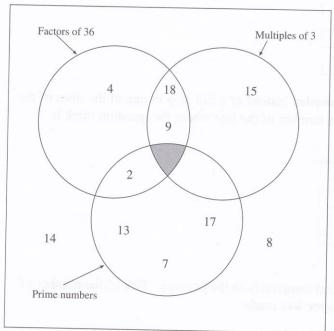
	answer bel	low.				
	248m	50m	2.48km	50km	2048m	
9.	Look at th	e two number	s below.	8	. 8	
	0.8	0.74				
	Multiply th	he larger of th	ne two numbers	by 100.		
	Write your	r answer in the	e space below.			ubert of a
0.	Write the	number sixty	and one quarter	as a decimal	number.	
	Write your	r answer in the	e space below.			
21.	Complete in the box		statement below	by writing the	correct number	
	(a)	$\frac{2}{7}$ of 56 is	y I salai my			
	(b)	8 is $\frac{2}{5}$ of				
				×	en C faces " - "	selet &
						anilyo A
						gna io A
	Ca	GO S	STRAIGHT TO P.	AGE 10	200 .	(4)

10	Page 10	
22.	The rectangle below is divided into squares of equal area.	Do not vin this co
	have never had it so good	as HI
	(Dec in tour that 8-1% in the second tour second in the se	75-710
	remas nuch nem coments reacher. They believe though more that in	esit in
	What percentage of the rectangle is shaded?	in sin
	Write your answer in the space below.	eden Stemi
	yourse in three descriptions and to the time time (inc. 10) our teachest teaching wasper mought of as (line 11)	
23.	In St. Petersburg the temperature is -17°C. The temperature in Belfast is 22°C higher. What is the temperature in Belfast? Write your answer in the space below.	Mess F
	°C. I smil)	
-	(C) and a self-water state of self-water state	
	m ender to compete with the somewhat (Pincis)	Shibnes Ho zak
	n luce et dus passage la mandened. There is a spalling ceron in one of	
	lines of the passage. Tick I the number of the time communing the lines error.	orit orga
		inil
	- 11	onii
	· L :	97111
		903
		i I

	ildren have never had it so good			
chil	dren learn as much from computer games as they do n their teacher. They believe theres more fun in	(line 1) (line 2)		
the	learning that takes place in modern classrooms.	(line 3) (line 4)		
Pare	ents are impressed by the "Brain Training" games	(line 5)	q za fW	
that	make the learning of multiplication tables and	(line 6)	z salviji	
arith	imetic so much fun. They can see the enjoyment	(line 7)		
on the	he faces of their children when they play these games	(line 8)		
It's	clear for all to see. These games weren't around when	(line 9)		
they	were young. In those days, children had to	(line 10)		
more	e on their teacher. Learning wasn't thought of as	(line 11)		
some	ething that could be fun. No electronic device existed	(line 12)		
to m	easure "brain age" when these parents where at school.	(line 13)	NIP C	15.00
		(IIIIo 13)		
Whil	le computer games can make learning fun, parents	(line 14)		
rege	cted the idea that computers could ever take	(line 15)		
the p	place of the teacher. How could a computer mark	(line 16)		
home	eworks or keep order in class. Nevertheless, the	(line 17)		
parer	its thought teachers should make learning more	(line 18)		
enjoy	vable in order to compete with the computer	(line 19)		
game	es of the future.	(line 20)		
3				
24.	Each line of the passage is numbered. There is a spelling the lines of the passage. Tick \square the number of the line spelling error.	ng error in one of containing the		
	line 1			
	line 12			
	line 15			
	line 19			

25.	There is an apostrophe missing from one of the words in the passage. Tick I the number of the line containing the word with the missing	Do not write in this colum
	apostrophe.	94, 10
	line 3	91318 - 91318 -
	line 5	
	line 15	
	line 17	
26.	A question mark is needed instead of a full stop in one of the lines of the passage. Tick \square the number of the line where the question mark is needed.	
	line 4	
	line 8	
	line 12	
	line 17	
27.	A word has been used incorrectly in the passage. Tick \checkmark the number of the line where the error was made.	
	line 1	
	line 9	197
	line 13	enter
	line 18	
28.	Look at the four words below. Choose the best word to fill the gap in line 10. Tick one of the boxes below to show your choice.	
	depended	Hod I.O
	rely	ail
	need signs show as a must element a	
	learn	2 8
	olgus okutae na al must adalarmo a	H 8.
		0 1
	GO STRAIGHT TO PAGE 13	(4)

29. Eileen is drawing a Venn diagram. She is putting the whole numbers from 1 to 20 into three sets. Each set is shown as a circle. The factors of 36 are in one circle, the multiples of 3 are in another circle, and the prime numbers are in a third circle. Some of the numbers from 1 to 20 are shown on the Venn diagram below.



Which number should Eileen put in the shaded section of the Venn diagram?

Write your answer in the space below.

30. Look at the statements below. Tick ✓ each statement **true** or **false**. The first is done for you.

 $\frac{1}{8}$ of a complete turn is an acute angle $\boxed{ }$ False $\boxed{ }$ $\boxed{$

 $\frac{5}{8}$ of a complete turn is more than 3 right angles

GO STRAIGHT TO PAGE 14

(2)

				1cm	120 = 41 1 61
		1966	Tarabarah	1cm	Use those to belg
				+ 10 	76.4 14 = 1
					- 54 x 24 =
					1 21 9 21
					T48 a. 2 =
	Find the area	of the rectangle.	Write your	answer in the space	below.
		cm^2			Write your general
					75, - 8 - 177
32.			1 0	11 771	0 - A - 10 T
			g. A line of l	ength 4 cm is drawn	n on the
	grid. This line	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Dra d. Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Dra d. Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the
	grid. This line other three sie	e is one side of a des of the rectan	g. A line of larectangle of	ength 4 cm is drawn of area 10 cm ² . Draw your lines	n on the w the

33.	Look at the three cal	lculations below.		Do not writ
	38 x 14 = 532	54 × 12 = 648	$148 \div 4 = 37$	in this colun
	Use these to help you	u complete the calculation	ns below.	
	76 x 14 =	no!		
	54 x 24 =			
	19 x 14 =			
	148 ÷ 2 =	_		
34.	What are the values of Write your answers in	of a and b in the calculation the spaces provided.	ons below?	
	716 - $\mathbf{a} = 125$	a =	Trib.	
	$108 \div \mathbf{b} = 9$	b =		
	6/1 (2 15 b)	H. Antongo Pouro Polique La resolución de la contraction	Server II. webstrong and I	n Area () _gr ta abres
35.	Find the missing num	ber in the calculation belo	ow.	Ling Luddo
	Write your answer in			ne her
	÷ 6 = 7.2			
		mul		
6.	What is 6.25 kilogram	s in grams ? Tick ✓ the o	correct answer.	
	0.625 g			
	6250 g			
	625 g			
	0.00625 g			
	GO	STRAIGHT TO PAGE 16	GO STRAKE	(4)

On killing a tree

in this column

It takes much time to kill a tree, Not a simple jab of the knife Will do it. It has grown Slowly consuming the earth, Rising out of it, feeding Upon its crust, absorbing Years of sunlight, air, water, And out of its leprous hide Sprouting leaves.

So hack and chop
But this alone won't do it.
Not so much pain will do it.
The bleeding bark will heal
And from close to the ground
Will rise curled green twigs,
Miniature boughs
Which if unchecked will expand again
To former size.

No,
The root is to be pulled out Out of the anchoring earth;
It is to be roped, tied,
And pulled out - snapped out
Or pulled out entirely,
Out from the earth-cave,
And the strength of the tree exposed,
The source, white and wet,
The most sensitive, hidden
For years inside the earth.

Then the matter
Of scorching and choking
In sun and air,
Browning, hardening,
Twisting, withering,

And then it is done.

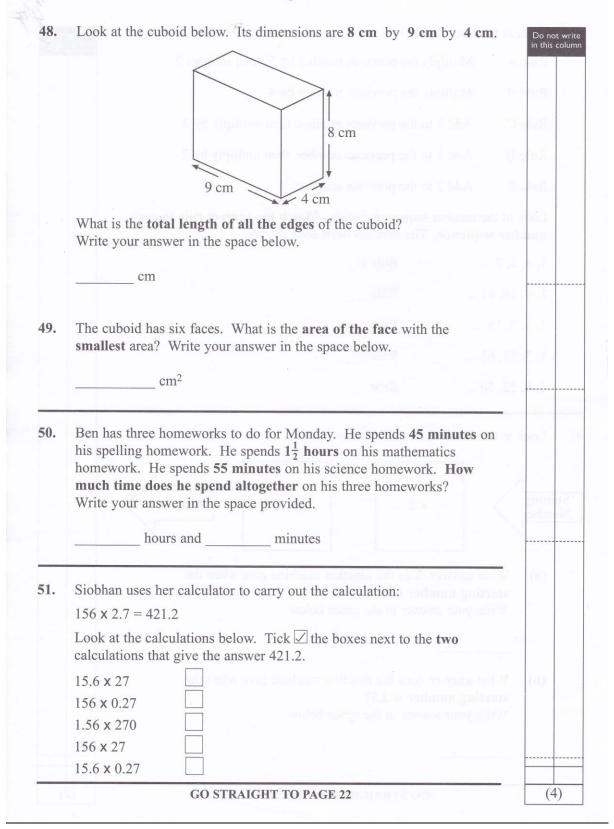
Gieve Patel

37.	Circle the best word or best pair of words to complete the sentence below.	Do not write in this column
	In the poem the author describes how a branch leaf tree twig will	Steller 25 (et) Steller 25 (et)
	change colour become shorter scream die if it is pulled out of	Viii do it
	the earth roots branch lake.	0 40 4 623
38.	In the second verse the poet talks about the tree as if it was a person. For example, the poet describes the tree's bark as bleeding . Find two other words in the second verse where the author talks about the tree as if it was a person. Write your answers in the spaces below.	Year of ser And our di So back and But this alo
39.	Look at the first verse of the poem. For each of the phrases below find the word in the first verse which is closest in meaning to the phrase. Write the word in the space provided.	The Secondary And Indiana Commercial Secondary Commercial Commerci
	thick skin of an animal	Forma of
	the hard outer part of bread	3574
	disfigured and gnarled	
40.	According to the poem, to kill a tree, what must you do after you've uprooted the tree? Tick the best answer.	oallag ba.A. John oo oo
	jab it with a knife	de Sél brok-
	expose it to the sun and air	Rom of I
	hack and chop its bark	Fig. Cars
		domac 10
		neili be "
	GO STRAIGHT TO PAGE 18	(6)

anchoring pulled roped tied 42. The words kill, leprous, slowly and tree are used in the poem. Tick I the correct box to show whether each word is a noun, verb, adverb or adjective. noun verb adverb adjective kill leprous slowly				of the poem. Wl firmly in place			Do no in this
pulled roped tied							
roped tied			g				ulisups
42. The words kill, leprous, slowly and tree are used in the poem. Tick ✓ the correct box to show whether each word is a noun, verb, adverb or adjective. noun verb adverb adjective							
42. The words kill, leprous, slowly and tree are used in the poem. Tick ✓ the correct box to show whether each word is a noun, verb, adverb or adjective. noun		roped					
Tick the correct box to show whether each word is a noun, verb, adverb or adjective. noun		tied					
kill leprous slowly tree 43. Look at the first verse of the poem. In this verse, the poet uses a phrase of only three words to suggest that the earth in which the tree grows is food for the tree. Write the phrase in the space below.	42.	Tick ✓ th	ne correct box to				
slowly tree 43. Look at the first verse of the poem. In this verse, the poet uses a phrase of only three words to suggest that the earth in which the tree grows is food for the tree. Write the phrase in the space below.			noun	verb	adverb	adjective	IRRIN A
43. Look at the first verse of the poem. In this verse, the poet uses a phrase of only three words to suggest that the earth in which the tree grows is food for the tree. Write the phrase in the space below.	kill		ney whence a	od zad prit setT	onil villalish	etter from the	a yalen
43. Look at the first verse of the poem. In this verse, the poet uses a phrase of only three words to suggest that the earth in which the tree grows is food for the tree. Write the phrase in the space below.	lepr	ous			And an in the		
43. Look at the first verse of the poem. In this verse, the poet uses a phrase of only three words to suggest that the earth in which the tree grows is food for the tree. Write the phrase in the space below.	slov	vly	at the territorial	7 7 7 7 7 7 7 7 7	BROBOURE CITE S	100	
43. Look at the first verse of the poem. In this verse, the poet uses a phrase of only three words to suggest that the earth in which the tree grows is food for the tree. Write the phrase in the space below.	tree		abauto as	les her a fid y	Midagong edit a	oresis.	youn/s
(b) is a square number. (c) is a factor of 2-4.	43.	Look at t					
(b) is a square number. (c) is a factor of 2-4.	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the plat the earth in	ooet uses a which the tree	la Service
(c) is a factor of 2-1.	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the plat the earth in	ooet uses a which the tree	WOTE A
	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the part the earth in ase in the space	ooet uses a which the tree below.	le Simula di Colmulari
GO STRAIGHT TO PAGE 19	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the part the earth in ase in the space	ooet uses a which the tree below.	Arrow Arrow Arrow Conglet
GO STRAIGHT TO PAGE 19	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the part the earth in ase in the space	ooet uses a which the tree below.	to Security of the Controller (6)
GO STRAIGHT TO PAGE 19	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the part the earth in ase in the space	ooet uses a which the tree below.	to Security of the Controller (6)
	43.	phrase of	he first verse of f only three wo	f the poem. In t	this verse, the part the earth in ase in the space	ooet uses a which the tree below.	to Security of the Controller (6)

	5 blue balls. It is not p	ossible to see into the bag.	in this colur
		line below. The letters P, Q, R, S and T show s on the probability line.	palane palane
	Impossible	Certain	higor
	1		3.578
	P	Q R S T	L The se Trock saves
	below can be completed	the bag and chooses a ball. Each statement by choosing a letter. Complete each statement probability line. The first has been done for you.	fis
	Arrow P show	vs the probability that a pink ball is chosen.	values
	Arrow show	vs the probability that a red ball is chosen.	
	Arrow show	vs the probability that a black ball is chosen.	
	Arrow show	vs the probability that a black ball isn't chosen.	estala;
45.	Look at the list of five r	numbers below:	201018
	6 16	17 48 27	
	Complete each sentence	below by choosing a number from the list.	
	(a) is a j	prime number.	
	(b) is a s	square number.	
	(c) is a f	factor of 24.	
	60.6	STRAIGHT TO PAGE 20	(2)

46.	Look	at the	five rules be	low.				Do not write in this column
	Rule	A	Multiply the	e previous nu	mber by 5, the	en subtract 2		
	Rule	В	Multiply the	e previous nu	mber by 4			
	Rule	С	Add 3 to the	e previous nu	mber, then m	ultiply by 2		
	Rule	D	Add $\frac{1}{2}$ to the	e previous nu	mber, then m	ultiply by 2		
	Rule	Е	Add 2 to the	e previous nu	mber			
					Match the on done for you		to each	rivi
	1, 3,	5, 7		Rule E				
	1, 4,	16, 64		Rule				
	1, 3,	7, 15	- ad diew	Rule				Lin Te
	1, 3,	13, 63		Rule				1000
	1, 8,	22, 50		Rule				
	arting umber		x 2		- 3.25	Answ	er	e and sport services
	(a) (b)	Write What starti	your answer answer does ng number	is 7? in the space s the function	machine give			156 156 156 156 030 030 155
				TRAIGHT TO		OCCUPANTAL OF THE PARTY OF THE	x 270 x 27 x 0 27	(2)
			000	A LILLY AND A LANGE	LAULLEI			(4)



The Snow Walker

The morning came when snow blew in the air ... only a thin mist of fine snow but enough to tell us that winter had come and it had not brought the deer.

But a few days afterwards the deer came. Ungyala and I went out with light hearts but only a few deer had come to the river. These few were so poor and lacking in fat that we knew they were not the forerunners of the great herds but stragglers that lagged behind, being either too weak or too sick to keep up. We knew then that the deer spirit had led the herds southward by some different path.

The next day there were no deer at the crossing and none to be seen anywhere upon the sweep of the plains, and we had killed barely enough meat to feed ourselves and the dogs for two months.

The real snows came and we began the winter with hearts that were shaken by misgivings. We thought of abandoning our camp and trying to make our way to the coast but we could not do this until enough snow had fallen to make sled travel possible. So we stayed where we were, hoping we would find some of the solitary winter deer that sometimes remain in the land. Ungyala and I roamed with pack dogs over the country for many long miles. A few hares and ptarmigan fell to our guns, but these were no more than food for our hopes.

Farley Mowat

52. Circle the **best word** or **best group of words** to complete the sentences below.

The passage is about two hunters animals awaiting the arrival of a pack of dogs deer summer. They would find it difficult to survive celebrate the winter if they couldn't hunt hares ptarmigan deer. They couldn't travel to the coast because there were too many hares there were too few dogs their sleds couldn't be used yet.

53. Look at the **second paragraph** of the passage. What **phrase of three words** tells us that the deer were thin? Write your answer in the space below.

GO STRAIGHT TO PAGE 23

(3)

Do not write in this column

54.	The phrase fell to our guns is used in the last paragraph of the passage. One of the statements below gives the correct meaning of the phrase. Tick \square the statement giving the correct meaning.	
	were killed or wounded by the hunters' guns	
	lay on the ground when they spotted the guns	
	were deceived by the tricks the hunters played	
	were attracted by the light glinting on the guns	
55.	Four animals are named in the passage. One is ptarmigan. Write the names of the other three in the spaces below.	
	e eat shows cause and we began the winter with house less some vary givings. We thought of abandening our camp and trying to make our way the coard but we could not do this coald enough show maintain to make	
	d rave possible. So we stayed where we were hours we would trick tel-of the solitary winter deer that contributes service are to had longish.	
	The phrase went out with light hearts is used in paragraph two of the passage. It means one of the following. Tick ✓ the best answer.	
	the hunters were happy about the arrival of spring	
	the snow was causing the hearts of the hunters to beat faster	
	the hunters felt ill because they couldn't find deer	
	the hunters were optimistic about finding deer	
	They would find a difficult to-	
	Why couldn't the hunters abandon camp and travel to the coast? Look at the four answers below and tick the best answer.	
	they didn't have enough food for the journey	
	their sled wasn't strong enough to travel	
	the snow wasn't deep enough to travel	-
	their dogs were needed to search for deer	
18	CO STRAIGHT TO RESTA	
	GO STRAIGHT TO PAGE 24 (5)	

	at a section of suggests that the hunters were	north of Do not w
In the passage, wh	at sentence suggests that the hunters were	in this colu
the deer herds? W	rite the sentence in the space below.	
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