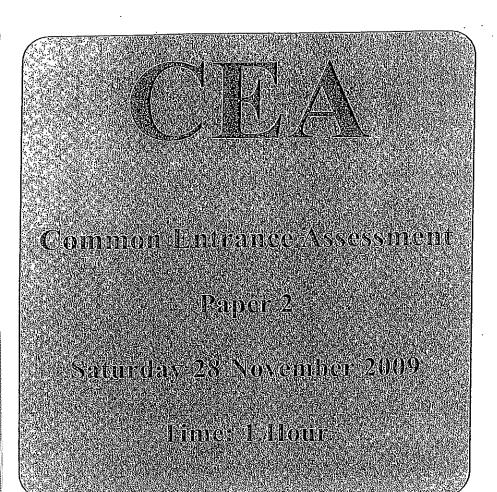
ANSWERS

Donote full in over or open this bookiet until told to do so



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Please fill in the following from your admission card:

₽	Num	10 es	vepe	o (A)
Your Candidate Number			$-\rho$	5
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Your Assessment Centre		A	13	
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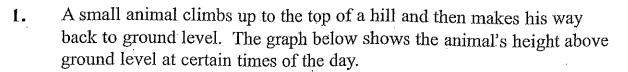
Answer all 58 questions in this booklet

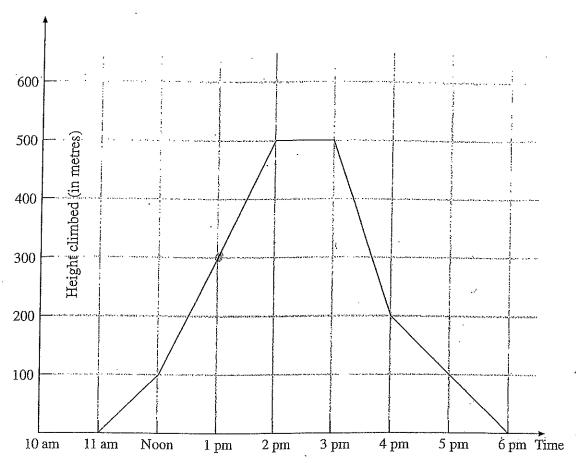
Association for Quality Education Limited

MATHEMATICS

i	Ī				
	Page	Marks	Score	Che	eck
	1	(2)			
	2	(2)			
	3	(2)		,	
	4	(2)			
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	21	(4)			
	ТОТА	L 32			

	ENGLISH					
Page	Marks	Score	Che	ck		
6	(6)					
7	(2)					
11	(1)	·				
12	(4)		-			
17	(6)					
18	(4)					
22	(3)					
23	(5)					
24	(1)	:				
TOTA	AL 32					
/ 10	TAL:					





(a) How high has the animal climbed at 1 pm? Write your answer in the space below.

_300___ metres

(b) At what time did the animal arrive back at ground level? Write your answer in the space below.

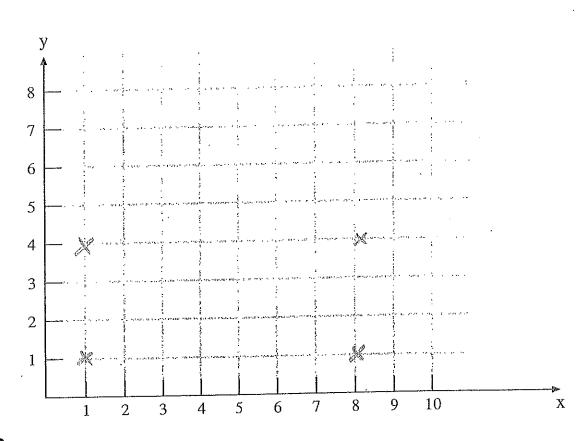
______ pm

2. Jennifer is facing North. She turns through 45°. In which direction is she now facing? There are two possible correct answers. Write your answers in the spaces below.

NE

. M. W

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.

4. 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.

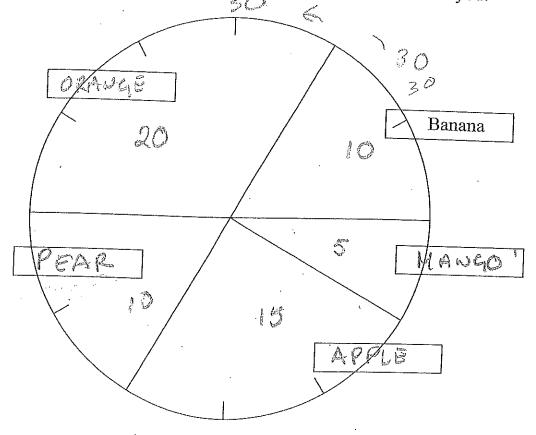
6:38 am

12-00 - 5 hrs = 7 am - 22 mins : 23

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

	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: Q. 40 25	139 130
0.00	25 pens at 40 pence each	78/21/18/00
8.00	130 rulers at 60 pence each	
. 00	and 4 notebooks at 50 pence each. 10 .00	
7 00		10.00
	Find the total amount the school will have to pa	y. 18.00
	Write your answer in the space below.	7.00

£______?0.00

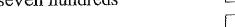
7. Complete the following calculations. Write your answers in the spaces below.

8. Look at the number below.

5.74

What is the value of the 7 digit in this number? Tick I the correct box below.

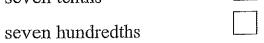
seven hundreds



seven tens



seven tenths



seven thousandths

My Brother Bert

- Pets are the hobby of my brother Bert. He used to go to school with a mouse in his shirt.
- His hobby it grew, as some hobbies will, And grew and GREW and GREW until -
- Soh don't breathe a word, pretend you haven't heard.
 A simply appalling thing has occurred -
- The very thought makes me iller and iller:
 Bert's brought home a gigantic gorilla!
- If you think that's really not such a scare, What if it quarrels with his grizzly bear?
- You still think you could keep your head? What if the lion from under the bed
- And the four ostriches that deposit

 Their football eggs in his bedroom closet
- And the aardvark out of his bottom drawer All danced out and joined in the roar?
- What if the pangolins were to caper Out of their nests behind the wallpaper?
- With the fifty sorts of bats
 That hang on his hatstand like old hats,
- And out of a shoebox the excitable platypus Along with the ocelot or jungle-cattypus?
- The wombat, the dingo, the gecko, the grampus How they would shake the house with their rumpus!
- Not to forget the bandicoot Who would certainly peer from his battered old boot.
- Why it could be a dreadful day, And what, oh what, would the neighbours say!

Ted Hughes

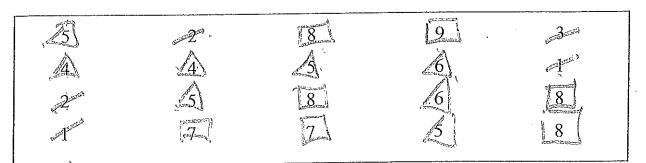
9.	Three of the creatures from Bert's collection have names beginning with a vowel. Write the name of each in the space below.		iot Writ s collin
	Ostneh Aardvark Ocelet		
10.	Based on your reading of the poem, which of the statements below best describes Bert's platypus? Tick the best answer.		
	very obedient		
	slow moving easily agitated cocastalola	A	
11.	The poet is afraid that two of Bert's animals will fight. Name the two animals. Write your answers in the spaces below.		
	garnla and grazies bear.		·
12.	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 2 verse 3 verse 4	· Paris, communication	The state of the s
13.	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.		ANNOUNT POR CONTRACTOR AND CONTRACTO
	pigs cattle geese oxen Oxen	R	

(6)

14.	In verse 12 of the poem the word rumpus is used. What is the meaning of rumpus? Tick the best answer.) nat viri his colun
	a rumpus is an animal's grunting noise		
•	a rumpus is a disruptive commotion		
	a rumpus is an animal's hindquarters		
15.	When Bert adds one particular animal to his collection, his brother feels sick. Which animal? Give your answer by ticking \(\subseteq \) the correct box below.		
	gorilla		
	aardvark		
	lion		
	grizzly bear		
		: 	
	·		
			71000
		lesson	

GO STRAIGHT TO PAGE 8

In a dancing competition Sean has to dance 20 times. Each dance is 16. scored out of 10 marks. In the box below are the marks awarded to Sean by one of the judges.



The frequency table below is to be used to show the marks awarded by the judge. Complete the table by writing the correct number in each of the boxes below.

Sean's score	Frequency
1 - 3	
4 - 6	8
7 - 9	Towns of the second

The statements below are about three dimensional solid objects. 17. Tick and each of the statements below true or false. The first one is done for you.

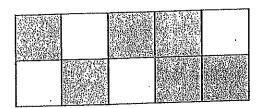
False True A cube has 6 faces A cylinder has 2 flat faces and 1 curved face A cube has 6 vertices A triangular prism has 9 edges

18.		How far does	tres. A second the second train	train travels 48 travel? Circle	metres the correct	i Do	
**********	248m	50m	2.48km	50km	2048m		
19.	Look at th	e two numbers	s below.	оболожного до на бого на объедине и под обращава в прогосом.			
).74 ne larger of the	e two numbers i	Ø∶∂ × (Ø by 100.	Q.		
		answer in the				***Chapter	
20.		answer in the s		as a decimal n	umber.		
21.	in the box,	$\frac{2}{7}$ of 56 is	tement below by	y writing the co	orrect number	C. Company	
A Secretary of the Control of the Co							

GO STRAIGHT TO PAGE 10

(4)

22. The rectangle below is divided into squares of equal area.





What percentage of the rectangle is shaded?

Write your answer in the space below.



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.

	°C.
453	\sim .

Page 11

The passage you are about to read contains four errors and a missing word. Read the passage and then answer the questions that follow it.

Children have never had it so good

A survey of parents found that 84% think that their children learn as much from computer games as they do from their teacher. They believe theres more fun in the learning that takes place in modern classrooms.	(line 1) (line 2) (line 3) (line 4)
Parents are impressed by the "Brain Training" games that make the learning of multiplication tables and arithmetic so much fun. They can see the enjoyment on the faces of their children when they play these games. It's clear for all to see. These games weren't around when they were young. In those days, children had to more on their teacher. Learning wasn't thought of as something that could be fun. No electronic device existed to measure "brain age" when these parents where at school.	(line 5) (line 6) (line 7) (line 8) (line 9) (line 10) (line 11) (line 12) (line 13)
While computer games can make learning fun, parents regected the idea that computers could ever take the place of the teacher. How could a computer mark homeworks or keep order in class. Nevertheless, the parents thought teachers should make learning more enjoyable in order to compete with the computer games of the future.	(line 14) (line 15) (line 16) (line 17) (line 18) (line 19) (line 20)

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

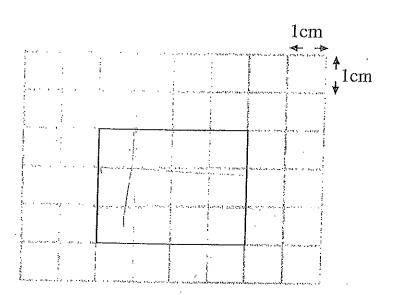
line 1	
line 12	
line 15	Met Servi
line 19	

25.	There is an apostrophe missing from one of the words in the passage. Tick the number of the line containing the word with the missing apostrophe.	Don Indi
	line 3	
	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 \(\) 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 \square the number of the line where the error was made.	T 17 17 17 17 17 17 17 17 17 17 17 17 17
	line !	
	line 9	
	line 13	
	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	
	rely	
	need	
	learn	

Eileen is drawing a Venn diagram. She is putting the whole numbers 29. 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. only poss cursula Factors 36 Factors of 36 Multiples of 3 36 18 15 3 12 9 Mustiples 3 2 17 13 14 8 Prince 7 2,35 M Prime numbers 13 19. Which number should Eileen put in the shaded section of the Venn diagram? Write your answer in the space below. 3,5,6,10 30. Look at the statements below. Tick \square each statement true or false. The first is done for you. True False $\frac{1}{2}\sqrt{5} \frac{1}{8}$ of a complete turn is an acute angle $\frac{3}{8}$ of a complete turn is an obtuse angle $\frac{5}{8}$ of a complete turn is more than 3 right angles

GO STRAIGHT TO PAGE 14

31. Look at the grid below. It is made up of small squares. The side of each small square is 1 cm long. A rectangle is drawn on the grid.

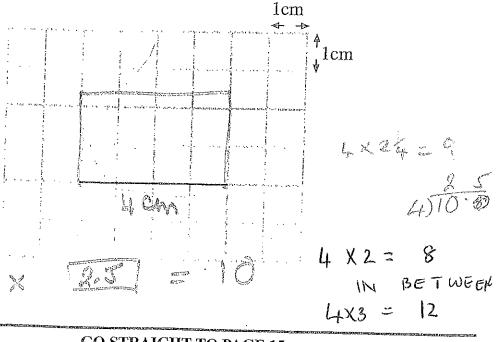


Find the area of the rectangle. Write your answer in the space below.

 $\frac{1}{2}$ cm²

==

32. Look at the grid below. It is made up of small squares. The side of each small square is 1 cm long. A line of length 4 cm is drawn on the grid. This line is one side of a rectangle of area 10 cm². Draw the other three sides of the rectangle in the grid. Draw your lines clearly and accurately.



33.	Look at	the	three	calculations	below.
33.	LOOK at	u	шцос	Caroaranomo	0010

$$38 \times 14 = 532$$

$$54 \times 12 = 648$$

$$148 \div 4 = 37$$

Use these to help you complete the calculations below.

Use these to help you complete the calculations below.

$$76 \times 14 = 20$$

$$54 \times 24 = 20$$

$$19 \times 14 = 20$$

$$148 \div 2 = 20$$

What are the values of a and b in the calculations below? 34. Write your answers in the spaces provided.

$$716 - a = 125$$

$$108 \div \mathbf{b} = 9$$

Find the missing number in the calculation below. 35.

Write your answer in the box provided.

$$|+6| \div 6 = 7.2$$

What is 6.25 kilograms in grams? Tick I the correct answer. 36.



On killing a tree

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.

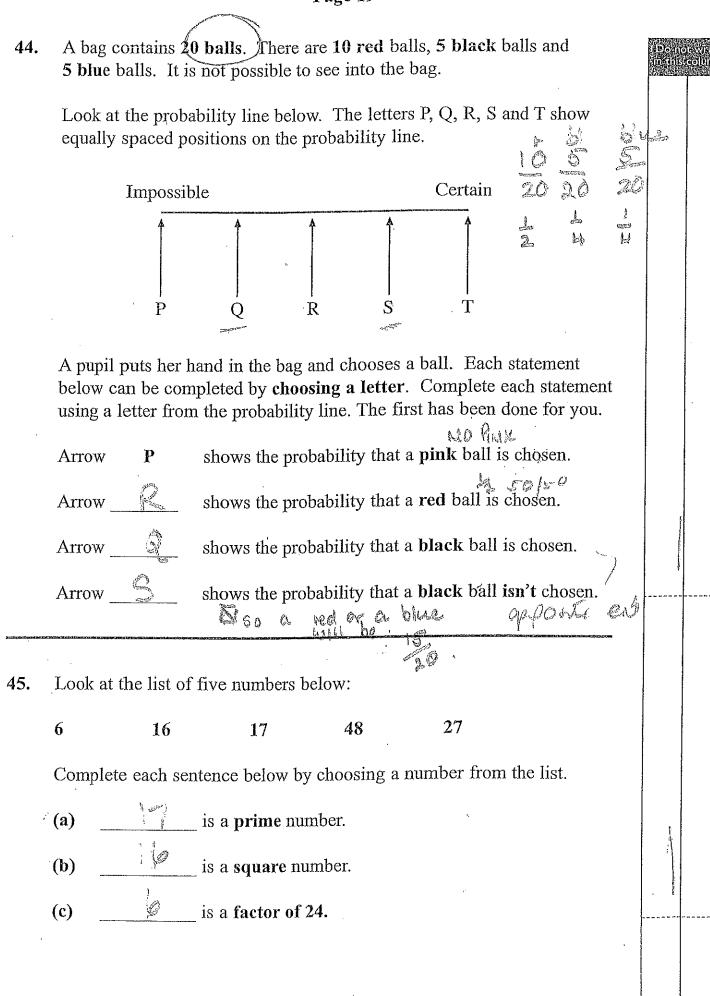
Gieve Patel

37.	Circle the best word or best pair of words to complete the sentence below.	
	In the poem the author describes how a branch leaf tree twig will change colour become shorter scream die if it is pulled out of the earth roots branch lake.	A Comment of the Comm
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.	
	Odin heal	
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.	
	thick skin of an animal the hard outer part of bread disfigured and gnarled	A
40.	According to the poem, to kill a tree, what must you do after you've uprooted the tree? Tick the best answer.	
	jab it with a knife expose it to the sun and air hack and chop its bark	<u></u>

(6)

	the earth l	e third verse solds the tree	of the poem. Very firmly in place	Which word is u e? Tick ☑ the l	sed to show that best answer.	Dôg Dali
	anchoring	100				
	pulled					
	roped					
	tied					
42.	The words Tick the adverb or a	correct box to	slowly and trees show whether	e are used in the each word is a	poem. noun, verb,	
		noun	verb	adverb	adjective	
kill						
lepro						
slow] tree	ly management			· ·		
	· ·					
Ĩ	phrase of or grows is foo	ıly three wor	ds to suggest the	this verse, the ponant the earth in was in the space	which the tree	

GO STRAIGHT TO PACE 10



46.	Look	at the	five	miles	below.
- 0 •	- O O ()	ui uio	TIVO	1 ulcs	DEIDW.

Rule A Multiply the previous number by 5, then subtract 2

Rule B Multiply the previous number by 4

Rule C Add 3 to the previous number, then multiply by 2

Rule D Add $\frac{1}{2}$ to the previous number, then multiply by 2

Rule E Add 2 to the previous number

Look at the number sequences below. Match the correct rule to each number sequence. The first has been done for you.

1, 3, 5, 7 ...

Rule E

Score E

OUT

FIRSE

1, 4, 16, 64

Rule 🚨

1, 3, 7, 15 ...

Rule

1, 3, 13, 63 ...

Rule A

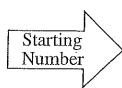
1, 8, 22, 50 ...

Rule _

1+3=4×2=8

BANGA / BUNARA

47. Look at the function machine below.



x 2

- 3.25

Answer

(a) What answer does the function machine give when the starting number is 7?

Write your answer in the space below

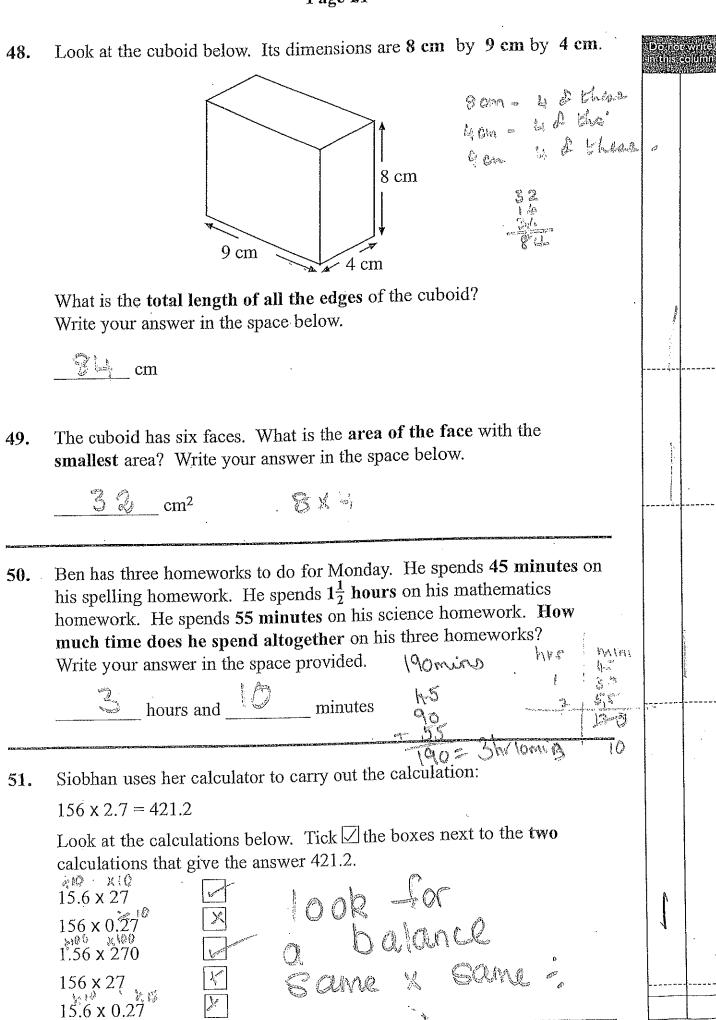
10.75

(b) What answer does the function machine give when the starting number is 3.5?

Write your answer in the space below

3.75

CO CITY IN CONTRACT



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.

lacking in fat

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 the statement giving the correct meaning.	祖祖廷高兴 ·	Diorijo In this	write alumit
	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		Ŋ.	
	were attracted by the light glinting on the guns	-		
<i>5</i> 5.	Four animals are named in the passage. One is ptarmigan. Write the names of the other three in the spaces below.			The second secon
	ciar l= !			
	- have 23			
	0000	-	Lexas	
		,		masummers and a series
56.	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		7 6 manuscript	
57.	Why couldn't the hunters abandon camp and travel to the coast? Look at the four answers below and tick the best answer.	.]		recemple actions
	they didn't have enough food for the journey			
	their sled wasn't strong enough to travel	- Transport		
	the snow wasn't deep enough to travel		apple of the same	
	their dogs were needed to search for deer		to make the	

58. In the passage, what sentence suggests that the hunters were north of the deer herds? Write the sentence in the space below.

the know then that the dear spirit led the hards southwast by some THIS IS A BLANK PAGE