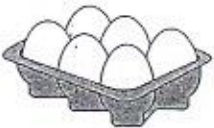


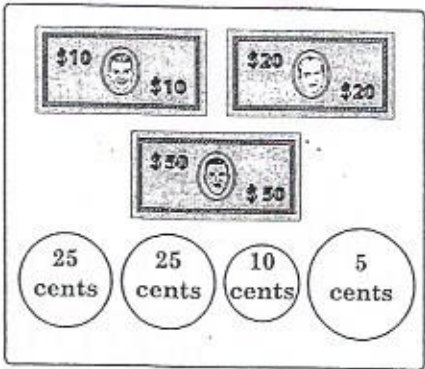

SECTION I

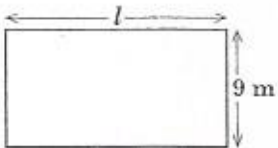
Each question is worth 1 mark. Answer ALL questions.
Show ALL working in the Working Column.

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
1.	Write in words 109 215. Answer _____		1.		
2.	State the place value of the underlined digit. 8 <u>7</u> 564 Answer _____		2.		
3.	$\begin{array}{r} 7215 \\ + 2456 \\ \hline \end{array}$ Answer _____		3.		
4.	$\frac{3}{5} = \frac{9}{\square}$ Answer $\square =$ _____		4.		

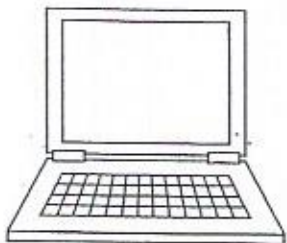
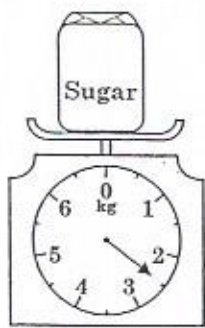
GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
5.	Write $2\frac{1}{6}$ as an improper fraction. Answer _____		5.		
6.	Approximate 2 875 to the NEAREST thousand. Answer _____		6.		
7.	Write the next term in the following sequence. 27, 36, 45, 54, _____		7.		
8.	A baker uses 6 eggs to make a cake.  How many eggs will he use to make 9 similar cakes? Answer _____ eggs		8.		
DO NOT WRITE HERE			KC (2)	AT (4)	PS (2)
			TOTAL (8)		

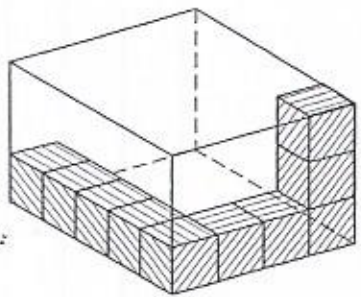
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
9.	<p>State the TOTAL value of the bills and coins shown below.</p>  <p>Answer \$ _____</p>		9.		
10.	<p>From the list below, circle the MOST appropriate metric unit for measuring the volume of orange juice in the box.</p>  <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p>Milligram Kilogram</p> <p>Millimetre Millilitre</p> </div>		10.		

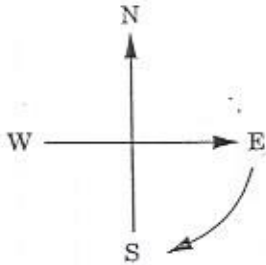
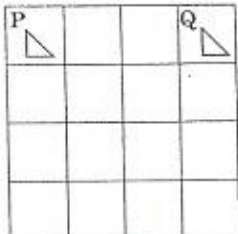
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here						
			KC	AT	PS				
11.	<p>The perimeter of the rectangular field shown below is 50 m. What is the length, l, of this field?</p>  <p>Answer _____ m</p>		11.						
12.	<p>The table below shows the time Diego took to run the same race in 2014 and 2015.</p> <p style="text-align: center;">Diego's Running Times</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>2014</th> <th>2015</th> </tr> </thead> <tbody> <tr> <td>1 hour 18 minutes</td> <td>1 hour 11 minutes</td> </tr> </tbody> </table> <p>In which year did Diego run the faster race?</p> <p>Answer _____</p>	2014	2015	1 hour 18 minutes	1 hour 11 minutes		12.		
2014	2015								
1 hour 18 minutes	1 hour 11 minutes								

GO ON TO THE NEXT PAGE

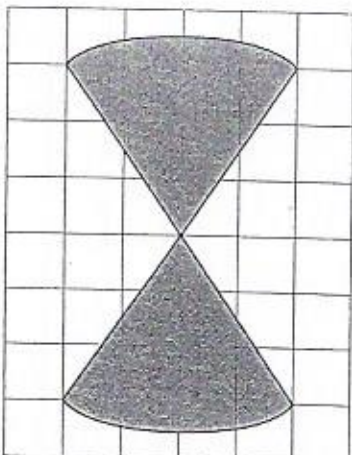
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
13.	<p>Mrs Ali bought a laptop for \$2500 and sold it for \$2000.</p>  <p>How much money did she lose?</p> <p>Answer \$ _____</p>		13.		
14.	<p>The scale below shows the mass of a bag of sugar.</p>  <p>How much MORE sugar is needed to obtain a mass of 3 kg?</p> <p>Answer _____ kg</p>		14.		

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
15.	<p>The box below contains cubes each of side 1 cm. The box is to be filled completely with cubes of the same size.</p>  <p>How many cubes can the box hold when filled completely?</p> <p>Answer _____ cubes</p>		15.			
DO NOT WRITE HERE			KC (2)	AT (4)	PS (1)	TOTAL (7)

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
16.	<p>Anna is standing facing East. She turns in a clockwise direction and is now facing West.</p>  <p>Through how many degrees did Anna turn?</p> <p>Answer _____ degrees</p>		16.		
17.	<p>A triangle was moved from Position P to Position Q as shown below.</p>  <p>What type of movement was used to move the triangle?</p> <p>Answer _____</p>		17.		

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	<i>Do Not Write Here</i>			
			KC	AT	PS	
18.	<p>How many lines of symmetry are there in the shaded shape below?</p>  <p>Answer _____</p>		18.			
DO NOT WRITE HERE			KC (1)	AT (1)	PS (1)	TOTAL (3)

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here																
			KC	AT	PS														
19.	<p>The table below shows the number of goals scored in six football matches.</p> <p style="text-align: center;">Goals Scored</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Matches</th> <th>1st</th> <th>2nd</th> <th>3rd</th> <th>4th</th> <th>5th</th> <th>6th</th> </tr> </thead> <tbody> <tr> <td>Number of Goals</td> <td>4</td> <td>8</td> <td>6</td> <td>3</td> <td>6</td> <td>3</td> </tr> </tbody> </table> <p>What is the mean number of goals scored in a match?</p> <p>Answer _____ goals</p>	Matches	1 st	2 nd	3 rd	4 th	5 th	6 th	Number of Goals	4	8	6	3	6	3		19.		
Matches	1 st	2 nd	3 rd	4 th	5 th	6 th													
Number of Goals	4	8	6	3	6	3													

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
20.	<p>Each of the 25 students in a class chose ONE favourite subject. The results are shown on the graph below. The number of students who chose English is not shown.</p> <p style="text-align: center;">Favourite Subjects</p> <p>Number of Students</p> <p>Maths Science English Social Studies</p> <p>☺ = 1 Student</p> <p>How many students chose English as their favourite subject?</p> <p>Answer _____ students</p>					
DO NOT WRITE HERE			KC (0)	AT (1)	PS (1)	TOTAL (2)

20.

GO ON TO THE NEXT PAGE

SECTION II

Each question is worth either 2 or 3 marks. Answer ALL questions.
Show ALL working in the Working Column.

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
21.	$3\frac{5}{8} - 1\frac{1}{4}$ Answer _____ (2 marks)		21.		
22.	(a) Arrange the following numbers in ASCENDING order (smallest first). 2 716, 2 617, 2 167, 2 176 Answer Smallest _____ _____ _____ Largest _____ (1 mark)		22.		
	(b) What is the LARGEST odd number in the list above? Answer _____ (1 mark)				

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
23.	<p>Students of Standard 4 planted ochro plants for their CAC project. If the plants increased in height by 0.25 metres every week, how many weeks would it take for the plants to grow to a height of 1 metre?</p> <p>Answer _____ weeks (2 marks)</p>		23.		
24.	<p>There are 800 students in a school. If 320 are boys, what percentage of the students is girls?</p> <p>Answer _____ % (2 marks)</p>		24.		

GO ON TO THE NEXT PAGE


No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
25.	<p>In Mrs Chin's class, $\frac{1}{3}$ of the students drank juice, $\frac{1}{4}$ of the remainder drank water and the others drank soft drinks.</p> <p>(a) What fraction of the class drank water?</p> <p>Answer _____ (1 mark)</p> <p>(b) If there are 48 students in Mrs Chin's class, how many students drank soft drinks?</p> <p>Answer _____ students (2 marks)</p>		25.		

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
26.	<p>In a school, each class has 7 charts to display on a notice board. Each chart must have 9 thumb tacks to support it.</p> <p>(a) How many thumb tacks are needed if three classes have to display their charts on the notice board?</p> <p>Answer _____ thumb tacks (1 mark)</p> <p>(b) The three classes have a total of 171 thumb tacks. How many charts could NOT be placed on the notice board?</p> <p>Answer _____ charts (2 marks)</p>		26.		
27.	<p>The square of a number is 9 less than the sum of 28 and 45.</p> <p>What is the number?</p> <p>Answer _____ (3 marks)</p>		27.		


No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
28.	<p>A class of 50 students has to perform exercises in groups of 2 OR 3 students. The number of groups with 2 students is the SAME as the number of groups with 3 students.</p> <p>(a) How many groups of 2 students and 3 students can be formed?</p> <p>Answer _____ groups (2 marks)</p> <p>(b) Each group must use 2 balls to perform its exercise.</p> <p>What is the TOTAL number of balls needed?</p> <p>Answer _____ balls (1 mark)</p>		28.			
DO NOT WRITE HERE			KC (5)	AT (10)	PS (5)	TOTAL (20)

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
29.	<p>The clock below shows the time Mark usually wakes up.</p>  <p>(a) Write the time shown on the clock.</p> <p>Answer _____ (1 mark)</p> <p>(b) Mark slept for an additional 15 minutes.</p> <p>Write the time Mark awoke using digital notation.</p> <p>Answer <input type="text"/> : <input type="text"/> (1 mark)</p>		29.		

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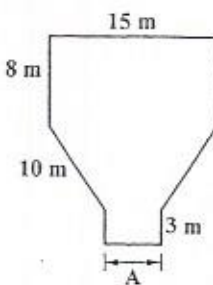
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
30.	<p>The pumpkin shown in the diagram below has a mass of 2604 g.</p>  <p style="text-align: center;">Pumpkin</p> <p>What is the mass of the pumpkin to the nearest kilogram?</p> <p>Answer _____ kg (2 marks)</p>		30.		
31.	<p>At the airport check-in counter, Camille placed the following bags on the scale.</p>  <p>What is the TOTAL mass, in kilograms, of the bags?</p> <p>Answer _____ kg (2 marks)</p>		31.		

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
32.	<p>A television costs \$5000. During a sale, it was marked down to \$3500.</p>  <p>(a) What was the amount of the discount?</p> <p>Answer \$ _____ (1 mark)</p> <p>(b) What was the percentage discount on the television?</p> <p>Answer _____ % (1 mark)</p> <p>(c) The store adds a delivery fee of 5% of the sale price.</p> <p>Calculate the amount that a customer would pay altogether for the television.</p> <p>Answer \$ _____ (1 mark)</p>		32.		

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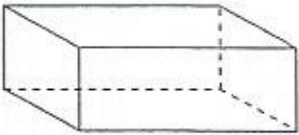
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
33.	<p>Mrs Jones built a square garden in her rectangular yard as shown in the diagram below. One side of the garden, AB, is against a wall.</p> <p>(a) What is the area of the garden?</p> <p>Answer _____ m² (2 marks)</p> <p>(b) Mrs Jones wants to enclose the garden with a wire fence.</p> <p>What length of wire, in metres, is required to fence the garden?</p> <p>Answer _____ m (1 mark)</p>				33.


GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
34.	<p>Mari walked around the symmetrical lawn shown in the diagram below. The lawn has a perimeter of 62 m.</p>  <p>(a) Calculate the length of the side marked A.</p> <p>Answer _____ m (2 marks)</p> <p>(b) How many times did Mari walk around the lawn if she walked a TOTAL distance of 372 m?</p> <p>Answer _____ times (1 mark)</p>				
			34.		

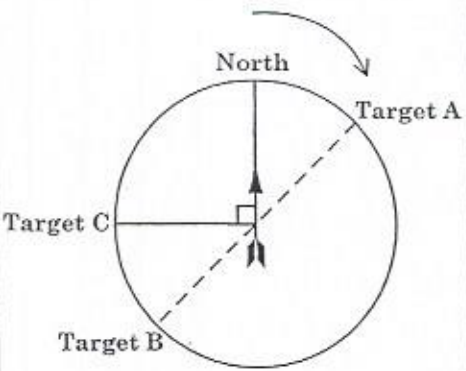
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
35.	<p>Ishwar has a mass of 36.4 kg.</p> <p>Tyrece's mass is $14\frac{3}{4}$ kg MORE than Ishwar's.</p> <p>Jamie's mass is 3.7 kg LESS than Tyrece's.</p> <p>(a) What is Tyrece's mass?</p> <p>Answer _____ kg (1 mark)</p> <p>(b) What is the TOTAL mass of the three children?</p> <p>Answer _____ kg (2 marks)</p>		35.			
DO NOT WRITE HERE			KC (4)	AT (10)	PS (4)	TOTAL (18)

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here								
			KC	AT	PS						
36.	<p>The diagram below shows a shoebox without a cover.</p>  <p>Use the information above to complete the following table.</p> <table border="1"><thead><tr><th>Number of Edges</th><th>Number of Faces</th><th>Number of Vertices</th></tr></thead><tbody><tr><td>12</td><td></td><td></td></tr></tbody></table> <p>(2 marks)</p>	Number of Edges	Number of Faces	Number of Vertices	12				36.		
Number of Edges	Number of Faces	Number of Vertices									
12											

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
37.	<p>The tiled corridor below shows the pattern formed by a repeated movement.</p>  <p>(a) Shade in the tiles to complete the pattern. (1 mark)</p> <p>(b) What is the name of the single movement that is used to create the pattern?</p> <p>Answer _____ (1 mark)</p>		37.		

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
38.	<p>Pete is standing, facing north, in the middle of a circular field.</p>  <p>(a) Pete turns clockwise to face Target A.</p> <p>From the following list, circle the type of angle through which he turns.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Obtuse Reflex Acute</p> </div> <p style="text-align: right;">(1 mark)</p> <p>(b) From Target A, Pete continues to turn clockwise to face Target B.</p> <p>Through how many right angles does he turn in this single movement?</p> <p>Answer _____</p> <p style="text-align: right;">(1 mark)</p>				

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
39.	<p>The shape ABCDE below is made up of an isosceles triangle and a rectangle. The perimeter of ABCDE is 46 cm.</p> <p>(a) Which line is parallel to ED?</p> <p>Answer _____ (1 mark)</p> <p>(b) What is the length of AB?</p> <p>Answer _____ cm (2 marks)</p>					
DO NOT WRITE HERE			KC (2)	AT (5)	PS (3)	TOTAL (10)

39.

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
	<p>(c) Pete continues to turn clockwise to face Target C.</p> <p>What is the TOTAL number of quarter-turns that Pete makes?</p> <p>Answer _____</p> <p style="text-align: right;">(1 mark)</p>		38.		








GO ON TO THE NEXT PAGE




No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here										
			KC	AT	PS								
40.	<p>The 24 students in a class were asked to name their favourite snack. They chose either fruit, cake or jello.</p> <p>(a) Complete the table below to show the favourite snack choices for the 24 students.</p> <p style="text-align: center;">Favourite Snacks</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Snacks</th> <th>Tally</th> </tr> </thead> <tbody> <tr> <td>Fruit</td> <td> </td> </tr> <tr> <td>Cake</td> <td></td> </tr> <tr> <td>Jello</td> <td> </td> </tr> </tbody> </table> <p style="text-align: right;">(1 mark)</p> <p>(b) Which snack was chosen by the LEAST number of students?</p> <p>Answer _____</p> <p style="text-align: right;">(1 mark)</p>	Snacks	Tally	Fruit		Cake		Jello			40.		
Snacks	Tally												
Fruit													
Cake													
Jello													
DO NOT WRITE HERE			KC (1)	AT (1)	PS (0)	TOTAL (2)							

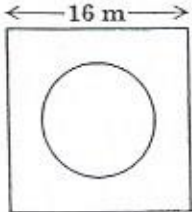
SECTION III

Each question is worth 5 marks. Answer ALL questions.
Show ALL working in the Working Column.

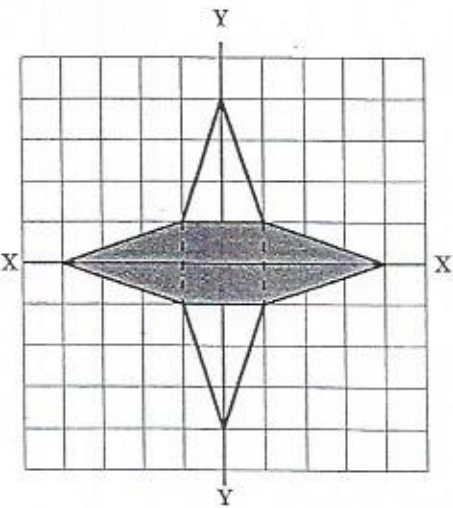
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
41.	<p>In one day, Factory A produces 1650 video games, while Factory B produces 123 FEWER video games than Factory A.</p> <p>(a) How many video games does Factory B produce in ONE day?</p> <p>Answer _____ video games (1 mark)</p> <p>(b) How many more video games are produced by Factory A than by Factory B in FIVE days?</p> <p>Answer _____ more video games (2 marks)</p> <p>(c) Factory A wants to increase its production by 10% a day. How many video games should be produced to meet this target?</p> <p>Answer _____ video games (2 marks)</p>		41.		

No.	TEST ITEMS	WORKING COLUMN	<i>Do Not Write Here</i>			
			KC	AT	PS	
42.	<p>The four cups below, with numbers, are arranged in a line as shown.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> 195</div> <div style="text-align: center;"> 163</div> <div style="text-align: center;"> 97</div> <div style="text-align: center;"> 261</div> </div> <p>A person is given 3 balls to knock down any 3 cups. The numbers are added and a prize given for EXACT scores as shown below.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Monkey 521</div> <div style="text-align: center;"> Bunny 455</div> <div style="text-align: center;"> Bear 619</div> </div> <p>(a) Tammy knocks down 3 cups marked 195, 163 and 97. Which toy does she win?</p> <p>Answer _____ (1 mark)</p> <p>(b) Shana knocks down the cups marked 97 and 261. Which cup must she now knock down to win the monkey?</p> <p>Answer Cup marked _____ (2 marks)</p> <p>(c) Which THREE cups must Destra knock down to win the bear?</p> <p>Answer Cups marked _____ _____ (2 marks)</p>		42.			
DO NOT WRITE HERE			KC (3)	AT (5)	PS (2)	TOTAL (10)

No.	TEST ITEMS	WORKING COLUMN	<i>Do Not Write Here</i>		
			KC	AT	PS
43.	<p>Asha wants to buy a smart phone. Three stores have the model she wants advertised as follows:</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;">I-Shack</p> <div style="display: flex; align-items: center;">  <div> <p>Regular Price \$5800</p> <p style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">Discount 20% off</p> </div> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center;">Mobile-T</p> <div style="display: flex; align-items: center;">  <div> <p>Regular Price \$5610</p> <p style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">Discount $\frac{1}{3}$ off</p> </div> </div> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Cell-G</p> <div style="display: flex; align-items: center;">  <div> <p>Sale Price \$3860</p> </div> </div> </div> <p>What is the cost of the smart phone at</p> <p>(a) I-Shack?</p> <p>Answer \$ _____ (2 marks)</p> <p>(b) Mobile-T?</p> <p>Answer \$ _____ (2 marks)</p>				

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
	<p>(c) Which of the THREE stores will give Asha the best buy?</p> <p>Answer _____ (1 mark)</p>		43.			
44.	<p>A circular work station in a factory occupies 181 m^2 in the centre of a square-shaped room as shown below. A side of the room is 16 m long.</p>  <p>Dan wants to tile the floor space around the work station.</p> <p>(a) What is the area of the floor to be tiled?</p> <p>Answer _____ m^2 (2 marks)</p> <p>(b) Dan uses square tiles 0.6 m long. What is the LEAST number of tiles needed to cover the room completely?</p> <p>Answer _____ tiles (3 marks)</p>		44.			
DO NOT WRITE HERE			KC (3)	AT (5)	PS (2)	TOTAL (10)

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
45.	<p>The shaded shape shown in the diagram below is moved from its position on the line through X to the new position (unshaded) on the line through Y.</p>  <p>(a) Describe the movement of the shaded shape to its new position (unshaded).</p> <p>Answer _____</p> <p>_____</p> <p>_____</p> <p>(2 marks)</p>				

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
	<p>(b) The new position is combined with the original position to form a new shape. How many lines of symmetry does the new shape have?</p> <p>Answer _____ lines (2 marks)</p> <p>(c) The combined shape is the net of a solid. What is the name of this solid?</p> <p>Answer _____ (1 mark)</p>		45.			
DO NOT WRITE HERE			KC (1)	AT (2)	PS (2)	TOTAL (5)

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
46.	<p>After four innings of a cricket match, Bravo's mean score was 70. After the fifth inning, his mean score was increased to 72.</p> <p>(a) What was his score in the fifth inning?</p> <p>Answer _____ (3 marks)</p> <p>(b). If Bravo's next score in the sixth inning is 0, what will be his new mean score?</p> <p>Answer _____ (2 marks)</p>		46.		
DO NOT WRITE HERE			KC (1)	AT (2)	PS (2)
			TOTAL (5)		

END OF TEST

IF YOU FINISH BEFORE TIME IS CALLED, CHECK YOUR WORK ON THIS TEST