


SECTION I

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

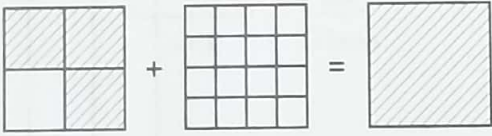
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
1.	<p>State the value of the underlined digit in the number below.</p> <p style="text-align: center;"><u>2</u>3 416</p> <p>Answer _____</p> <p>_____</p>		1.		
2.	<p>What percentage of the shape below is shaded?</p>  <p>Answer _____ %</p>		2.		

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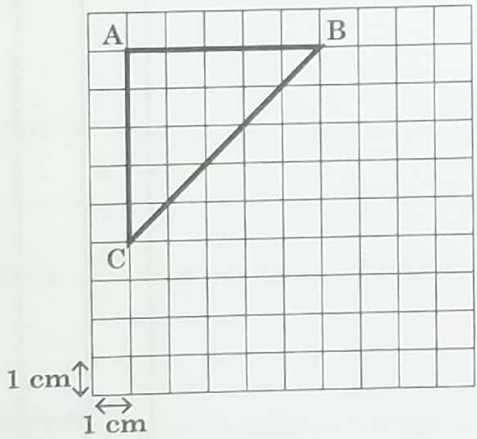
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
3.	<p>What number must be placed in the circle to give the result shown?</p> <p>Answer <input type="text"/> = _____</p>		3.		
4.	<p>Write the numeral that represents nine hundred and five thousand, four hundred and twelve.</p> <p>Answer _____</p>		4.		
5.	<p>Write $\frac{22}{5}$ as a mixed number.</p> <p>Answer _____</p>		5.		



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
6.	<p>Arrange the numbers below in ascending order.</p> <p>3165 3651 3561 3156</p> <p>Answer _____</p> <p>_____</p>		6.			
7.	<p>Add 4.75 and 2.16.</p> <p>Answer _____</p>		7.			
8.	<p>Shade the fraction of the second shape to complete the statement below.</p>  <p>The diagram shows a 2x2 grid with 3 squares shaded (top-left, top-right, and bottom-right). This is followed by a plus sign and a 3x3 grid. An equals sign follows, and then a 3x3 grid with 6 squares shaded (the two bottom rows).</p>		8.			
DO NOT WRITE HERE			KC (3)	AT (3)	PS (2)	TOTAL (8)

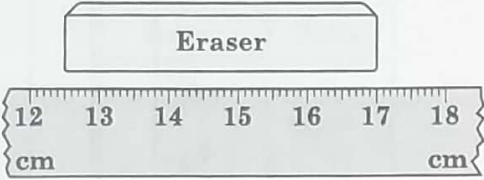

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
9.	<p>Write the time shown on the clock below.</p>  <p>Answer _____</p> <p>_____</p>		9.		
10.	<p>In the diagram below, the length of each square is 1 cm.</p>  <p>What is the area of triangle ABC?</p> <p>Answer _____ cm²</p>		10.		

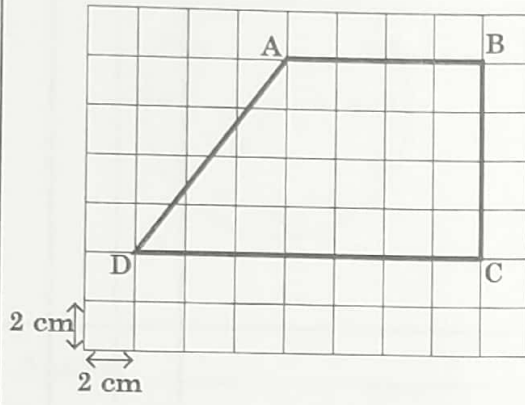
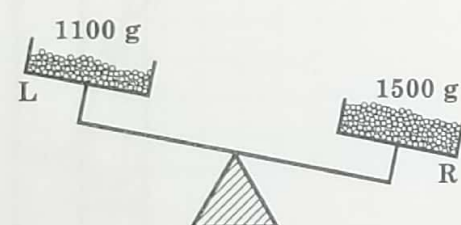
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
11.	<p>What is the length of the eraser?</p>  <p>Answer _____ cm</p>		11.		
12.	<p>A glass and a jar are shown below. If the jar is full of water, how many glasses of water can be filled from the jar?</p>  <p>Answer _____ glasses</p>		12.		













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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
13.	<p>In the diagram below, the length of each square is 2 cm. The perimeter of the shape is 40 cm.</p>  <p>What is the length of the side AD?</p> <p>Answer _____ cm</p>		13.		
14.	<p>How many grams must be removed from R and placed on L, to balance the scale?</p>  <p>Answer _____ g</p>		14.		

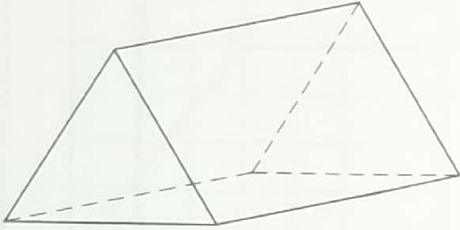
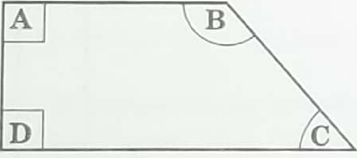
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here														
			KC	AT	PS												
15.	<p>Complete the bill shown below.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Item</th> <th>Price</th> </tr> </thead> <tbody> <tr> <td></td> <td>\$2.60</td> </tr> <tr> <td></td> <td>\$4.25</td> </tr> <tr> <td></td> <td>\$ _____</td> </tr> <tr> <td></td> <td>\$1.75</td> </tr> <tr> <td>Total</td> <td>\$9.85</td> </tr> </tbody> </table> <p>Answer \$ _____</p>	Item	Price		\$2.60		\$4.25		\$ _____		\$1.75	Total	\$9.85		15.		
Item	Price																
	\$2.60																
	\$4.25																
	\$ _____																
	\$1.75																
Total	\$9.85																
DO NOT WRITE HERE		KC (1)	AT (4)	PS (2)	TOTAL (7)												

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
16.	<p>What is the name of the solid shown below?</p>  <p>Answer _____</p>		16.		
17.	<p>Which angle in the shape below is greater than a right angle?</p>  <p>Answer _____</p>		17.		



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
18.	<p>Draw the line of symmetry on the letter below.</p> 		18.		
DO NOT WRITE HERE			KC (1)	AT (2)	PS (0)
			TOTAL (3)		



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here										
			KC	AT	PS								
19.	<p>The mean of 6, 12 and 30 is the same as the mean of 15 and <input type="text"/>.</p> <p>What number does <input type="text"/> represent?</p> <p>Answer _____</p>		19.										
20.	<p>There are 25 students in a class. The incomplete tally chart below shows the ice cream flavours chosen by some of the students.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Ice Cream Flavours</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>Coconut</td> <td> </td> </tr> <tr> <td>Mango</td> <td></td> </tr> <tr> <td>Soursop</td> <td> </td> </tr> </tbody> </table> <p>How many students chose mango?</p> <p>Answer _____ students</p>	Ice Cream Flavours	Number of Students	Coconut		Mango		Soursop			20.		
Ice Cream Flavours	Number of Students												
Coconut													
Mango													
Soursop													
DO NOT WRITE HERE			KC (0)	AT (1)	PS (1)	TOTAL (2)							



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.	$2\frac{3}{4} - 1\frac{1}{2}$ Answer _____ (2 marks)		21.		
22.	Two-fifths of a number is 36. What is half of the same number? Answer _____ (2 marks)		22.		

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
23.	<p>A bakery has two types of cupcake trays as shown below.</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="border: 1px solid black; padding: 5px; display: flex; flex-wrap: wrap;"><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div></div><div style="border: 1px solid black; padding: 5px; display: flex; flex-wrap: wrap;"><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div><div style="border: 1px solid black; padding: 2px; margin: 2px;">○</div></div></div> <p>The bakery uses the same number of each type of tray to make 216 cupcakes. How many of each type of tray are used?</p> <p>Answer _____ trays (3 marks)</p>		23.		



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
24.	<p>A cinema has 7 rows. Each row has 20 seats. All of the seats in 6 rows were completely occupied while 5 seats in the 7th row were not occupied.</p> <p>How many seats were occupied altogether?</p> <p>Answer _____ seats (2 marks)</p>		24.		
25.	<p>A pattern is formed using triangles as shown below.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;"> 1st 2nd 3rd 4th </p> </div> <p>How many triangles will form the 7th pattern?</p> <p>Answer _____ triangles (2 marks)</p>		25.		

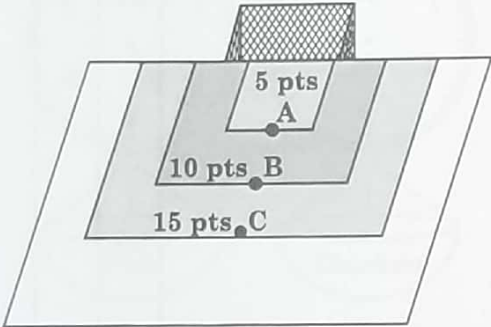
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
26.	<p>Paula has 125 cupcakes of three different flavours: chocolate, strawberry and vanilla. There are 45 strawberry cupcakes, and an equal number of vanilla and chocolate cupcakes.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Chocolate </div> <div style="text-align: center;">  Strawberry </div> <div style="text-align: center;">  Vanilla </div> </div> <p>What percentage of the cupcakes are vanilla flavoured?</p> <p>Answer _____ % (3 marks)</p>		26.		
27.	<p>The sum of Harry, Peter and Celina's ages is 45. Peter is 12 years older than Harry, and Celina is 15 years older than Harry.</p> <p>(a) What is Harry's age?</p> <p>Answer _____ years (2 marks)</p> <p>(b) What is Celina's age?</p> <p>Answer _____ years (1 mark)</p>		27.		

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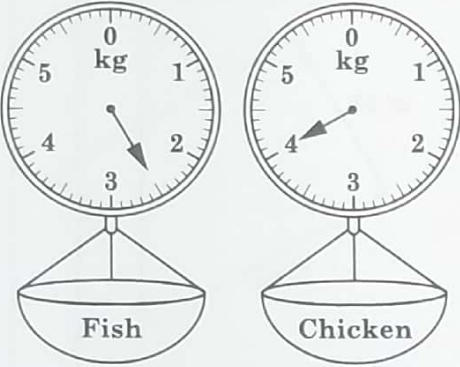
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here																	
			KC	AT	PS															
28.	<p>Tylon kicks a football into a goal post from three different positions, A, B, C, and earns the points as shown on the diagram.</p>  <p>Complete the table below to show how Tylon earns a total of 130 points.</p> <table border="1" data-bbox="271 1093 708 1480"> <thead> <tr> <th>Position</th> <th>No. of Goals</th> <th>Score</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3</td> <td></td> </tr> <tr> <td>B</td> <td>4</td> <td></td> </tr> <tr> <td>C</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Total</td> <td>130</td> </tr> </tbody> </table> <p>(3 marks)</p>	Position	No. of Goals	Score	A	3		B	4		C				Total	130				28.
Position	No. of Goals	Score																		
A	3																			
B	4																			
C																				
	Total	130																		
DO NOT WRITE HERE			KC (4)	AT (10)	PS (6)	TOTAL (20)														

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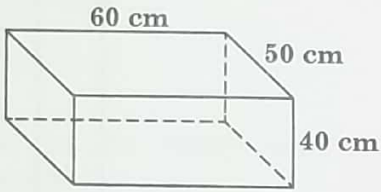
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
29.	<p>The cost of a cellphone is \$880 plus $12\frac{1}{2}\%$ VAT.</p> <p>What is the total cost of the cellphone?</p> <p>Answer \$ _____ (2 marks)</p>		29.		
30.	<p>How many pieces of ribbon, each of length 25 cm, can be cut from a $6\frac{3}{4}$ m roll of ribbon?</p> <p>Answer _____ pieces (2 marks)</p>		30.		



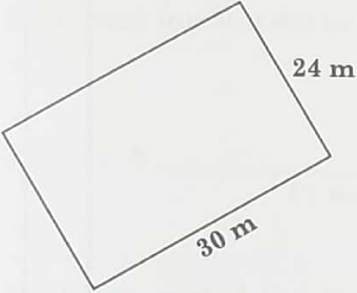
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
31.	<p>The scales below show the mass of fish and the mass of chicken.</p>  <p>(a) What is the mass of the fish?</p> <p>Answer _____ kg (1 mark)</p> <p>(b) What is the difference in mass between the fish and the chicken?</p> <p>Answer _____ kg (1 mark)</p>				

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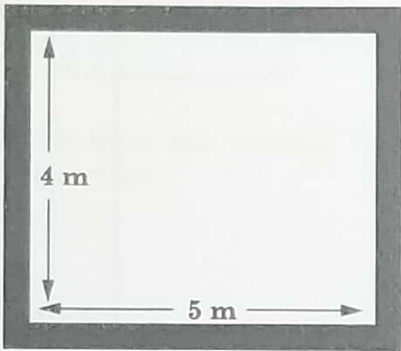
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
32.	<p>The diagram below represents an aquarium.</p>  <p>(a) Calculate the volume of the aquarium.</p> <p>Answer _____ cm^3 (1 mark)</p> <p>(b) How many litres of water will the aquarium hold when it is half-filled? ($1000 \text{ cm}^3 = 1 \text{ L}$)</p> <p>Answer _____ litres (2 marks)</p>				
			32.		



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
33.	<p>A farmer wants to fence a rectangular plot of land that is 30 metres long and 24 metres wide.</p>  <p>(a) What length of wire is needed to completely fence the land?</p> <p>Answer _____ m (2 marks)</p> <p>(b) To fence the land, poles are placed 3 metres apart. How many poles are needed?</p> <p>Answer _____ poles (1 mark)</p>				

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
34.	<p>The diagram below shows a tablecloth with a shaded border. The border is $\frac{1}{2}$ m wide on all sides.</p>  <p>(a) What is the total area of the tablecloth?</p> <p>Answer _____ m² (2 marks)</p> <p>(b) What is the area of the border?</p> <p>Answer _____ m² (1 mark)</p>				
					34.

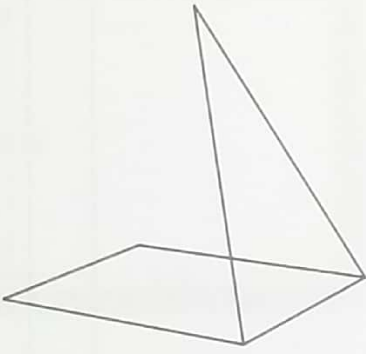
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
35.	<p>Mr Khan borrowed \$6000 from the bank at 8% interest per annum for 2 years.</p> <p>(a) How much interest did he pay?</p> <p>Answer \$ _____ (1 mark)</p> <p>(b) Mr Khan repaid the loan in equal monthly payments.</p> <p>Calculate his monthly payment.</p> <p>Answer \$ _____ (2 marks)</p>		35.			
DO NOT WRITE HERE			KC (5)	AT (9)	PS (4)	TOTAL (18)

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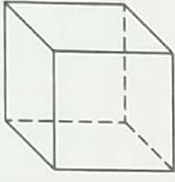


No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
36.	<p>A solid has 5 vertices. A part of the solid is drawn below.</p>  <p>(a) Complete the drawing. (1 mark)</p> <p>(b) How many edges are there in the solid?</p> <p>Answer _____ (1 mark)</p>				

36.

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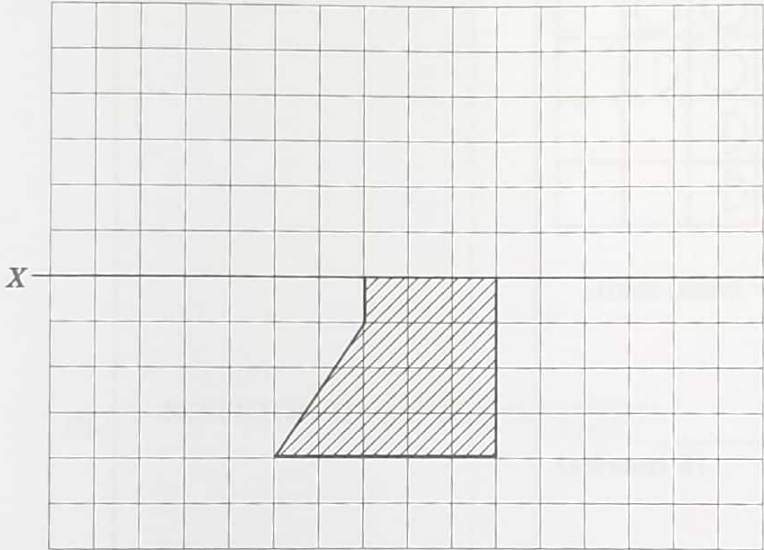
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
37.	<p>Donna has the solid shown below. Each edge measures 9 cm.</p>  <p>(a) What is the name of the solid?</p> <p>Answer _____ (1 mark)</p> <p>(b) What is the total length of all the edges?</p> <p>Answer _____ cm (1 mark)</p> <p>(c) Donna stuck 7 stars on EACH face. How many stars did she use?</p> <p>Answer _____ stars (1 mark)</p>				

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
38.	<p>(a) Draw a quadrilateral with one pair of parallel sides and no right angles.</p> <p style="text-align: right;">(2 marks)</p> <p>(b) Write the name of the quadrilateral.</p> <p>Answer _____ (1 mark)</p>				



No.	TEST ITEMS	WORKING COLUMN	<i>Do Not Write Here</i>			
			KC	AT	PS	
39.	<p>Complete the shape below using the line XY as the line of symmetry.</p>  <p style="text-align: right;">(2 marks)</p>	39.				
DO NOT WRITE HERE			KC (3)	AT (6)	PS (1)	TOTAL (10)

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here																										
			KC	AT	PS																								
40.	<p>The pictograph below shows the sports played by 75 boys.</p> <table border="1"> <tr> <td>Football</td> <td>○</td> <td>○</td> <td>○</td> <td>○</td> <td></td> </tr> <tr> <td>Cricket</td> <td>○</td> <td>○</td> <td>○</td> <td>◐</td> <td></td> </tr> <tr> <td>Tennis</td> <td>○</td> <td>○</td> <td>◐</td> <td></td> <td></td> </tr> <tr> <td>Basketball</td> <td>○</td> <td>○</td> <td>◐</td> <td></td> <td></td> </tr> </table> <p>How many boys play basketball?</p> <p>Answer _____ boys (2 marks)</p>	Football	○	○	○	○		Cricket	○	○	○	◐		Tennis	○	○	◐			Basketball	○	○	◐				40.		
		Football	○	○	○	○																							
Cricket	○	○	○	◐																									
Tennis	○	○	◐																										
Basketball	○	○	◐																										
<p>DO NOT WRITE HERE</p>	KC (0)	AT (1)	PS (1)	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>A group of students uses sticks to create craft items. The number of sticks form a pattern as shown below.</p> <table border="1"><thead><tr><th>Item Number</th><th>Number of Sticks Used</th></tr></thead><tbody><tr><td>1</td><td>16</td></tr><tr><td>2</td><td>25</td></tr><tr><td>3</td><td>36</td></tr><tr><td>4</td><td>49</td></tr><tr><td>5</td><td>64</td></tr></tbody></table> <p>(a) What is the pattern rule for the number of sticks used?</p> <p>Answer _____</p> <p>_____ (1 mark)</p> <p>(b) Using the same rule, how many sticks will be used to make Item number 7?</p> <p>Answer _____ sticks (1 mark)</p>	Item Number	Number of Sticks Used	1	16	2	25	3	36	4	49	5	64				
Item Number	Number of Sticks Used																
1	16																
2	25																
3	36																
4	49																
5	64																



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
	<p>(c) For which item number will 121 sticks be used?</p> <p>Answer _____ (1 mark)</p>				
	<p>(d) The group decides to use 265 sticks to make two items, with each item being made from more than 100 sticks.</p> <p>How many sticks will be used for each item?</p> <p>Answer _____ sticks _____ sticks (2 marks)</p>		41.		

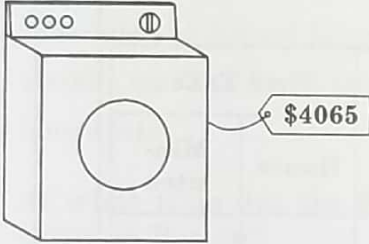
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
42.	<p>Khadija scored 820 points in a mathematics competition. Ricardo scored 46 fewer points than Khadija and 68 more than Winston.</p> <p>(a) How many points did Winston score?</p> <p>Answer _____ points (2 marks)</p> <p>(b) Khadija placed 5th in the competition and there were three students between her and Ricardo.</p> <p>At what position did Ricardo place?</p> <p>Answer _____ position (1 mark)</p> <p>(c) Khadija wants to increase her score by 5% in her next competition.</p> <p>How many points should she obtain in her next competition?</p> <p>Answer _____ points (2 marks)</p>					
DO NOT WRITE HERE			KC (1)	AT (6)	PS (3)	TOTAL (10)

42.



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
43.	<p>Sita bought the washing machine shown below.</p>  <p>(a) She made a first payment of \$1385. How much money does she still have to pay?</p> <p>Answer \$ _____ (1 mark)</p> <p>(b) Sita was charged 20% interest on the remaining money. Calculate her new balance.</p> <p>Answer \$ _____ (2 marks)</p> <p>(c) Sita paid the balance in 2 years. The amount paid in the first year was three times the amount paid in the second year.</p> <p>Calculate the amount of money Sita paid in the second year.</p> <p>Answer \$ _____ (2 marks)</p>				
			43.		

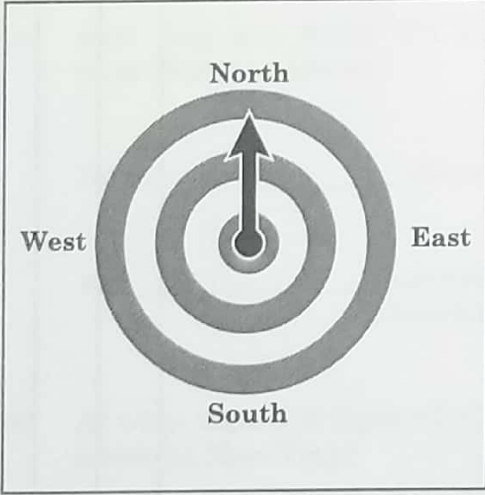
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
	<p>(d) The flying time from Miami to Boston is 1 hour and 40 minutes. A flight was scheduled to depart Miami at 10:00 a.m. The flight left $2\frac{1}{2}$ hours late.</p> <p>At what time did the flight arrive in Boston?</p> <p>Answer _____ p.m. (2 marks)</p>		44.			
DO NOT WRITE HERE			KC (3)	AT (5)	PS (2)	TOTAL (10)

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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
45.	<p>The diagram below shows a circular target labelled North, South, East and West, and an arrow pointing North. The target is used to play a game.</p> <p><u>Rules of the game</u></p> <p>If the target is hit, the arrow moves $\frac{1}{4}$ turn clockwise. If the target is missed, the arrow moves $\frac{1}{4}$ turn anticlockwise.</p> <div data-bbox="287 952 774 1444" data-label="Diagram"></div> <p>(a) How many $\frac{1}{4}$ turns does the arrow move from West to South in a clockwise direction?</p> <p>Answer _____ $\frac{1}{4}$ turns (1 mark)</p>				



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
	<p>(b) Sally starts her game with the arrow pointing North. She has 3 hits followed by 2 misses. In what direction is the arrow now pointing?</p> <p>Answer _____ (1 mark)</p> <p>(c) Richard starts his game with the arrow pointing North. After 3 throws, the arrow points West. Using hit or miss, complete the list below to show the order of two possible hits and misses that Richard could have made.</p> <p>Hit, _____, _____</p> <p>Miss _____, _____ (2 marks)</p> <p>(d) At the start of another game, the arrow is pointing East. What is the least number of throws a player can make for the arrow to point North?</p> <p>Answer _____ throw(s) (1 mark)</p>					
			45.			
DO NOT WRITE HERE			KC (2)	AT (2)	PS (1)	TOTAL (5)

GO ON TO THE NEXT PAGE



No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here													
			KC	AT	PS											
46.	<p>A vendor had 100 of each fruit to sell. The bar graph below shows the fruits that were not sold.</p> <div data-bbox="316 573 823 1464" data-label="Figure"><p>Fruits NOT Sold</p><table border="1"><thead><tr><th>Fruit</th><th>No. of fruits not sold</th></tr></thead><tbody><tr><td>Mango</td><td>30</td></tr><tr><td>Banana</td><td>50</td></tr><tr><td>Orange</td><td>30</td></tr><tr><td>Pineapple</td><td>10</td></tr><tr><td>Sapodilla</td><td>20</td></tr></tbody></table></div> <p>(a) Which fruit was sold the most?</p> <p>Answer _____ (1 mark)</p>	Fruit	No. of fruits not sold	Mango	30	Banana	50	Orange	30	Pineapple	10	Sapodilla	20			
Fruit	No. of fruits not sold															
Mango	30															
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here			
			KC	AT	PS	
	<p>(b) How many fruits were sold altogether?</p> <p>Answer _____ (2 marks)</p>					
	<p>(c) How many more mangoes than bananas were sold?</p> <p>Answer _____ (2 marks)</p>				46.	
DO NOT WRITE HERE			KC (2)	AT (2)	PS (1)	TOTAL (5)

END OF TEST

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

