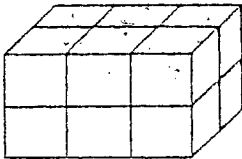## SECTION I

Answer ALL questions. Each question is worth 1 mark.
Show ALL working in the Working Column.
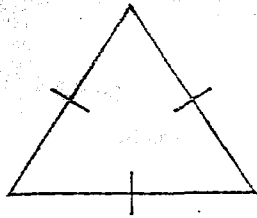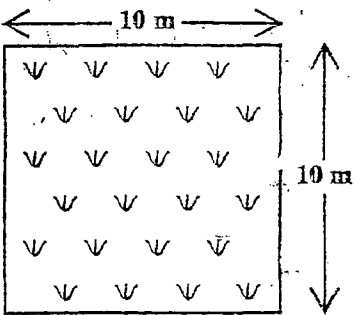
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
1.	Write 0.75 as a common fraction. Answer _____				
2.	Approximate 2,413 to the NEAREST hundred. Answer _____				
3.	Write the following numbers in order of size, starting with the SMALLEST. 0.20, 0.12, 0.21 Answer _____				
4.	$3.0 \div 0.5 =$ Answer _____				
5.	Use ALL the digits below to make the LARGEST four digit number between 2000 and 3000. ┌───┐ ┌───┐ ┌───┐ ┌───┐ │ 9 │ │ 6 │ │ 2 │ │ 8 │ └───┘ └───┘ └───┘ └───┘ Answer _____				
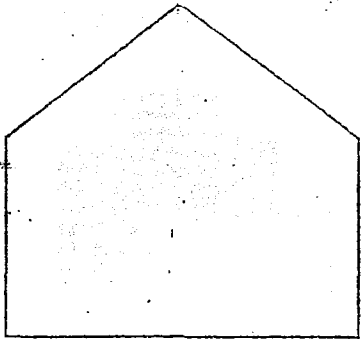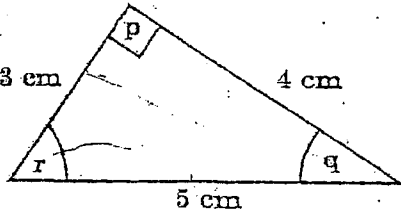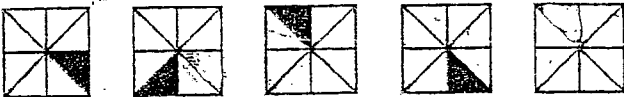
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
6.	At a supermarket opening, every fifth customer is given a prize. If 63 customers enter in the first hour, how many prizes would be given out? Answer _____ prizes				
7.	Write the number in the box to complete the sentence. 111 + 222 + 333 = 222 x [ ]				
8.	What number should go in the circle to make the operation correct? ◯ ↓ Add 10 ↓ Multiply by 2 ↓ 50 Answer _____				

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
9.	Billy earns $7 per hour. How much money will he earn in 6 hours? Answer $_____				
10.	A bat was bought for $300.00 and sold for $350.00. Calculate, in DOLLARS, the profit made. Answer $ _____				
11.	How many 10¢ coins can I get from $6.00? Answer _____ 10¢ coins				
12.	The cuboid below is made up of blocks of volume 1 cm³. What is the volume of the cuboid? Answer _____ cm³				
13.	Jeremy did a Maths test in 75 minutes. How many hours did he take? Answer _____ hours				

GO ON TO THE NEXT PAGE

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here
			KC | AT | PS
14.	The perimeter of an equilateral triangle is 42 cm. What is the length of ONE side of the triangle? Answer _____ cm		
15.	Below is a diagram of Bob's vegetable garden. He constructs a fence around it by placing posts 2 metres apart. How many posts will he use? Answer _____ posts		

| 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.	How many lines of symmetry are there in this shape? Answer _____ lines				
17.	Order the angles p, q and r according to size from the LARGEST to the SMALLEST. 3 cm, 4 cm, 5 cm Answer _____				
18.	Study the position of the shaded triangles in the squares below. Complete the pattern by shading a triangle in the last square.				

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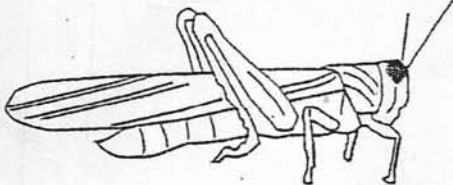
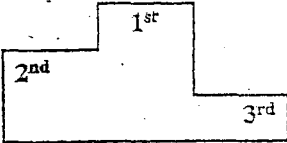| No.	TEST ITEMS	WORKING COLUMN	KC	AT	PS
19.	The pie chart shows the favourite colours of 20 students. How many students selected yellow? Answer _____ students					
20.	The pictograph shows the ice cream flavours chosen by a group of children. If ♡ represents 2 children, how many children chose vanilla ice cream? Answer _____ children					

SECTION II

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

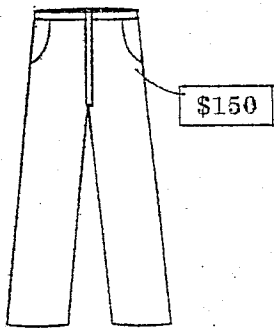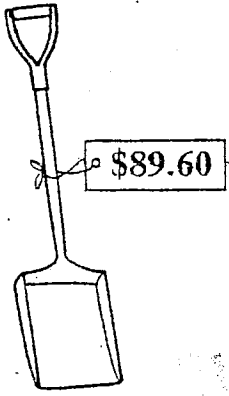| No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
21.	Calculate the sum of $1\frac{1}{2}$ and $\frac{3}{4}$. Answer _____ (2 marks)				
22.	Kwesi has 6 red, 8 green, 7 blue and 3 white spinners. What FRACTION of his spinners is red? Answer _____ (2 marks)				
23.	The numbers in the circles below add up to the same total vertically, horizontally and diagonally. Fill in the 2 missing numbers. 8 3 ( ) 1 5 9 ( ) 7 2 (2 marks)				
24.	Half the sum of two numbers is 17. One of the numbers is 24. What is the other number? Answer _____ (2 marks)				

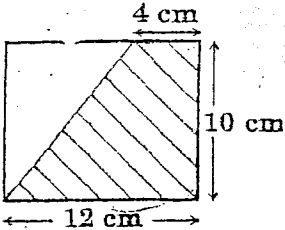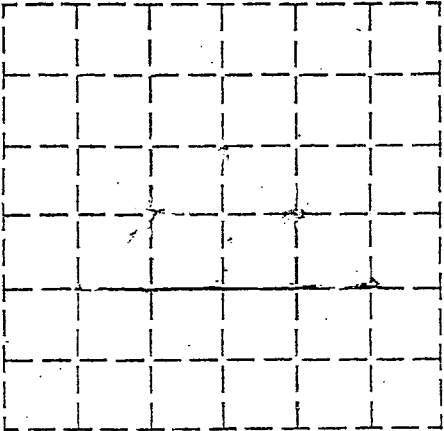| No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
25.	Mrs Roberts packs lunch for the pupils in her class. In every lunch box she puts 2 chocolate biscuits and 3 sandwiches. Altogether she uses 96 sandwiches. How many chocolate biscuits does she use? Answer _____ (3 marks)				
26.	 Grace's grasshopper eats 35% of its weight in food a day. The grasshopper weighs 20.0 g. (a) Calculate the grasshopper's daily food intake. Answer _____ g (2 marks) (b) If by midday the grasshopper eats 4 g of food, what FRACTION of its daily food intake does it eat? Answer _____ (1 mark)				

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
27.	Mother used 3.75 kg of flour to make bread and 2.5 kg to make cakes. How much flour is left from a 10 kg bag of flour? Answer _____ kg (3 marks)				
28.	$75 is shared among 3 winners. The first place winner gets $5 more than the second place winner. The second place winner gets $5 more than the third place winner. How much does the first place winner get? Answer $ _____ (3 marks)				
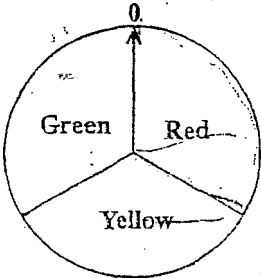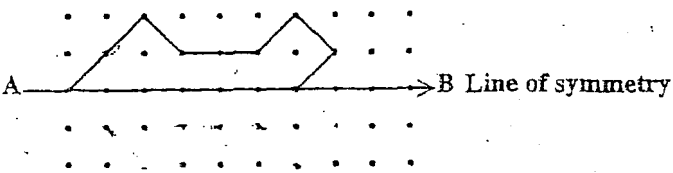
No.	TEST ITEMS	WORKING COLUMN	KC	AT	PS
29.	Below are diagrams of a rectangle, R and a square, S. 12 cm R 8 cm 9 cm S Which shape has the GREATER area? Show how you arrived at your answer Answer _____ (2 marks)				
30.	Calculate m cm 26 54 − 6 67 _____ Answer _____ (2 marks)				
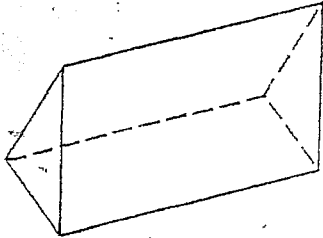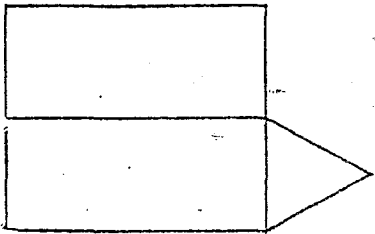
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No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here

			KC	AT	PS

31. A store offers 20% discount on all items. Calculate the price a customer will pay for the pants advertised in the diagram below.

$150

Answer $ _____

(2 marks)

32. Fill in the 3 boxes below to complete the paysheet.

Name	Rate of Pay	Wages ($)
Frank	2 days wages at $45 per day	
John	[ ] days wages at $45 per day	225.00
James	4 days wages at $ [ ] per day	220.00
	TOTAL	535.00

(3 marks)

TEST ITEMS	WORKING COLUMN	Do Not Write Here		
		KC	AT	PS

3. 24 drawing books were bought at $1.00 each and sold at 2 for $3.00. What is the PERCENTAGE profit?

Answer _____ %

(3 marks)

4. Gary has in his pocket:

two $20   notes
three $10   notes
three $5   notes

$89.60

Gary wants to buy the shovel shown above. How much MORE money does he need?

Answer $ _____

(3 marks)

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here

			KC	AT	PS

35. Below is a rectangle.

4 cm

10 cm

12 cm

Calculate the area of

(a) the rectangle

Answer _____ cm²

(1 mark)

(b) the unshaded region

Answer _____ cm²

(1 mark)

(c) the shaded region.

Answer _____ cm²

(1 mark)

DO NOT WRITE HERE   KC (4)   AT (10)   PS (4)   TOTAL (18)

36.

On the grid above draw an **isosceles** triangle with a base of 4 units.   (2 marks)

No.	TEST ITEMS	WORKING COLUMN	*Do Not Write Here*		
			KC	AT	PS
37.	In the game of spin, a circular disc divided into three equal parts is used. The pointer always starts at 0. (a) Kevin spins the pointer and it makes ONE complete turn stopping at zero. Through what angle did the pointer turn? Answer _____ _____ degrees (1 mark) (b) Sita spins the pointer and it does not make a complete turn stopping in the yellow region. The size of the angle turned by the pointer is approximately Answer _____ degrees (1 mark)					
8.	Complete the shape so that the line AB is the line of symmetry. (3 marks)					

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here

			KC	AT	PS

39.

(a) Name the shape of the solid formed by the tent.

Answer _____

(1 mark)

(b) The tent is opened to form a flat shape.

Complete the diagram to show the net of the solid.

(2 marks)
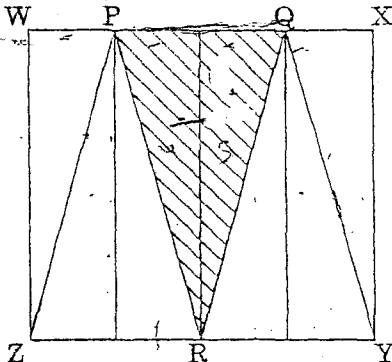
No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
40.	The incomplete tally chart below shows the favourite sport of Standard 5 Boys.				

Game	Tally	Frequency
Cricket		
Football	N̶J̶ N̶J̶ II	12
Basketball	N̶J̶ N̶J̶	10

If there are 30 boys in Standard 5, complete the tally and frequency chart above.
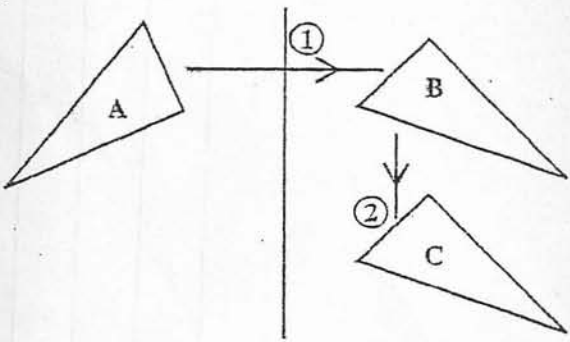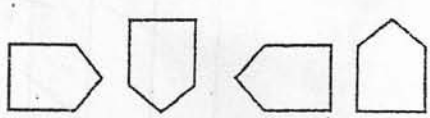
(2 marks)

SECTION III

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

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
41.	A radio station spends $\frac{1}{2}$ of its broadcast time on music and $\frac{1}{5}$ of its time on news. (a) What fraction of the total time is spent on music and news together? Answer _____ (1 mark) (b) The remaining time is spent on other features. What percentage of the time is spent on other features? Answer _____ % (2 marks) (c) Andy complained to the station that they spend more time on other features than on news. Is he correct? Use calculation to support your answer. Answer _____ (2 marks)				

TEST ITEMS	WORKING COLUMN	*Do Not Write Here*		
		KC	AT	PS

The table below gives the number of calories in ONE serving of food:

TABLE 1

Food	Number of Calories per serving
Chicken	200
Rice	140
Cucumber	25
Carrot	100

(a) Brian chose a meal made up of the foods shown below. Calculate the number of calories in Brian's meal.

TABLE 2

Brian's Choice	
Food	Number of Servings
Chicken	1
Rice	2
Cucumber	4

Answer _____

(2 marks)

(b) Nathan has a meal consisting of 665 calories. Select from the foods in table 1 above to complete the table below to show one possible meal that Nathan had.

Nathan's Meal		
Food	Number of Servings	Number of Calories
Chicken Rice Cucumber Carrot		
Total		665

(3 marks)

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here

			KC	AT	PS

43. The square WXYZ below, has been divided into eight equal parts.

(a) What FRACTION of the square is shaded?

Answer _____

(1 mark)

(b) The shaded area is 9 cm². What is the area of the square WXYZ in cm²?

Answer _____ cm²

(1 mark)

(c) What is the length of ONE side of the square?

Answer _____ cm

(1 mark)

(d) What is the length of the base, PQ, of the shaded area?

Answer _____ cm

(2 marks)

O.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
14.	An aquarium when it is $\frac{1}{4}$ full holds 9 litres of water. (a) If 1 litre = 1000 cm³, how many litres of water will the aquarium hold when full? Answer _____ ____ litres (2 marks) (b) What is the height of the aquarium if it is 40 cm long and 20 cm wide? Answer _____ \\ ____ cm (3 marks)				

No.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
45.	(a) Identify two transformations which move A onto C. The transformation that moves A onto B is _____ **(1 mark)** The transformation that moves B onto C is _____ **(1 mark)** (b) Draw the NEXT TWO shapes to continue the pattern. Draw shapes above this line **(1 mark)** (c) What transformation moves one shape to the next one in the sequence Answer _____ **(1 mark)**				

DO NOT WRITE HERE	KC (1)	AT (2)	PS (2)	TOTAL (5)	

o.	TEST ITEMS	WORKING COLUMN	Do Not Write Here		
			KC	AT	PS
16.	In three cricket innings Chris scores 35 runs, 22 runs and 93 runs respectively. (a) Chris' mean score is?. Answer _____ (2 marks) (b) How many runs must he score in his next innings in order to raise his mean score to 60? Answer _____ (3 marks)				

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.