

# **SECONDARY ENTRANCE ASSESSMENT**

## **SMETI**

# **Mathematics**

## Answer ALL questions

75 Mins. - 45 Items

NO.	ITEMS	SECTION I	1
1.	Write in words:		
	607300		
2.	(1 x A) + (001 x B) + (0001 x C) + (00001 x D)		1
3.	Express $\frac{28}{3}$ as a mixed number.		
4.	What is the value of the underlined digit?		
	3 <u>8</u> 94	38	1
5.	Calculate the total amount of money paid for 10 boxes of 1000 pencils each.	1000	1
6.	6.9 x 100 =	690	1

NO.	ITEMS	DC WR 1 CO
5.	<p>Solve for <math>\square</math></p> $\frac{7}{10} = \frac{\square}{40}$ <hr/>	
6.	<p>What is the value of:</p> $(8 \times 10000) + (2 \times 1000) + (3 \times 100) + (4 \times 1)$ <hr/>	
7.	<p>Ryan has the following notes:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <span data-bbox="319 1237 457 1298">\$100</span> <span data-bbox="493 1237 636 1298">\$50</span> <span data-bbox="673 1237 816 1298">\$20</span> <span data-bbox="852 1237 970 1298">\$5</span> </div> <p>Calculate the total amount of money he has.</p> <hr/>	
8.	<p>Put in <math>&gt;</math>, <math>&lt;</math> or <math>=</math> in the box provided to make the statement correct.</p> $\frac{5}{8} \square \frac{3}{4}$	

NO.	ITEMS (M37)	DO NOT WRITE IN THIS COLUMN
9.	<p>What number needs to be added to 25 to make <math>7^2</math> ?</p> <p>_____</p>	1
10.	<p>Convert <math>4\frac{1}{2}</math> metres into centimetres.</p> <p>_____</p>	1
11.	<p><math>10\frac{3}{5} - 7\frac{1}{10} =</math></p> <p>_____</p>	1
12.	<p>The time shown on Ben's watch is twelve minutes fast. What is the correct time?</p> <p><b>2:50</b></p> <p>Ben's watch</p> <p>_____</p>	1
13.	<p>Ria paid \$13.50 for 3 ice creams. What is the cost of one ice cream?</p> <p>_____</p>	1

## ITEMS 2M3T1

DO NOT  
WRITE IN  
THIS  
COLUMN

NO.

14.

Circle the unit of measurement used to measure the quantity of water in a tank.

kilograms

millilitres

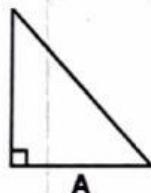
litres

kilometres

1

15.

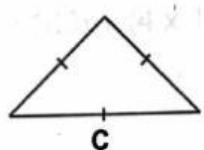
Circle the isosceles triangle below.



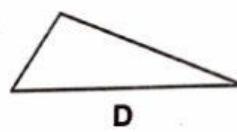
A



B



C

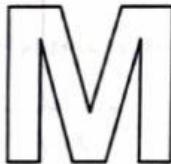


D

1

16.

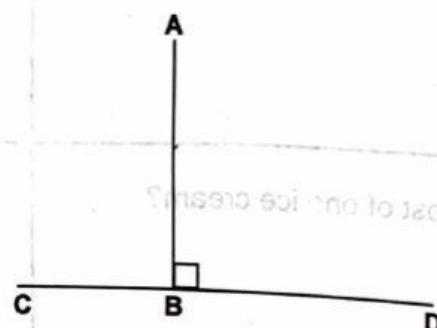
Draw the line of symmetry on the shape below.



1

17.

In the diagram below the line AB can be described as \_\_\_\_\_ to line CD.



1

NO.	ITEMS	DO NOT WRITE IN THIS COLUMN										
18.	<p><b>3, 4, 5, 6, 4, 3, 7, 4, 8</b></p> <p>What is the modal number from the above set of numbers?</p> <hr/>	1										
19.	<p>The tally table shows the number of mangoes sold by 4 vendors.</p> <table border="1" data-bbox="266 833 838 1102"> <thead> <tr> <th data-bbox="266 833 441 878">Vendors</th><th data-bbox="441 833 838 878">Number of mangoes</th></tr> </thead> <tbody> <tr> <td data-bbox="266 878 441 923">Mathew</td><td data-bbox="441 878 838 923">          III</td></tr> <tr> <td data-bbox="266 923 441 968">Joshua</td><td data-bbox="441 923 838 968"></td></tr> <tr> <td data-bbox="266 968 441 1012">Dareem</td><td data-bbox="441 968 838 1012">     II</td></tr> <tr> <td data-bbox="266 1012 441 1057">Cayeem</td><td data-bbox="441 1012 838 1057">                   </td></tr> </tbody> </table> <p>Joshua sold <math>\frac{1}{2}</math> the number of mangoes as Cayeem. Complete the tally table to show the number of mangoes Joshua sold.</p>	Vendors	Number of mangoes	Mathew	III	Joshua		Dareem	II	Cayeem		1
Vendors	Number of mangoes											
Mathew	III											
Joshua												
Dareem	II											
Cayeem												
20.	<p>Calculate the mean of the following numbers.</p> <p>21, 0, 16, 35, 8</p> <hr/>	1										