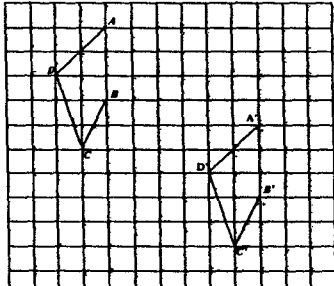
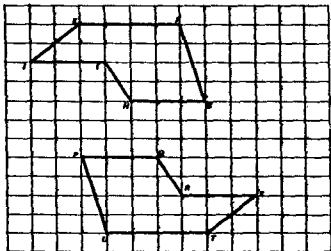
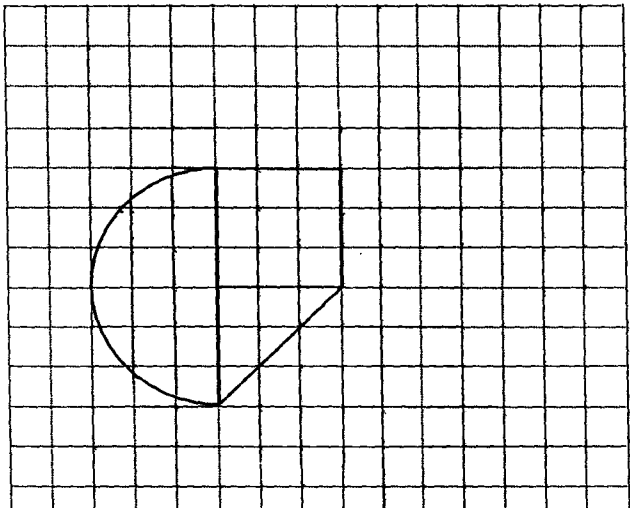


**SCHEME OF MARKS FOR MATHEMATICS 2009  
PAPER 2**

NO.	DETAILS	MARKS	TOTAL MARKS
1	$\frac{7}{3} \times \frac{30}{49}$ $\frac{10}{7} @ 1\frac{1}{7}$	1 1	2
2	a) $\frac{2}{3}$  b) $\frac{2}{5} - 0.2$ $\frac{1}{5} @ 0.2$	1  1 1	3
3	 <p>*any one side drawn correctly</p>	2  1	2
4	Enlargement centre (1,-1) scale factor $\frac{1}{2}$ .	1 1 1	3
5	 <p>Complete diagram Any 2 sides drawn correctly</p>	2 1	2

6	$4m = 5p + 3n$ $m = \frac{5p + 3n}{4}$	1 1	2
7	a) $p = \frac{1}{4}$  b) $2k = 10$ $k = 5$	1  1 1	3
8	$4x(3x + y)$  $(3x - y)(3x + y)$  $\frac{4x}{3x - y}$  * any one correct factorization	1  1  1  1	3
9	Scale drawing    Correct diagram Arc and any 2 sides drawn correctly Arc or any 2 sides drawn correctly	3 2 1	3
12	a) A circle/semicircle with a radius of 3 units from centre E. *circle/semicircle	2  1	

	<p>* locus P drawn in the diagram</p> <p>b)</p> <p style="text-align: center;">Diagram 3</p> <p>Locus Q drawn correctly Locus R drawn correctly</p> <p>c) point of intersection</p>	<p>1</p> <p>1</p> <p>1</p>	<p>5</p>
10	<p>a) <math>-2x^2 + 6xy</math></p> <p>b) <math>2h - 9h + 3</math> <math>-7h + 3</math></p>	<p>1</p> <p>1</p> <p>1</p>	<p>3</p>
11	$\frac{14x - 7}{21}$ $\frac{7(2x - 1)}{21}$ $\frac{2x - 1}{3}$	<p>1</p> <p>1</p> <p>1</p>	<p>3</p>
13	<p>a) <math>40^\circ</math></p> <p>b) <math>80^\circ</math></p> <p>c) KM</p>	<p>1</p> <p>1</p> <p>1</p>	<p>3</p>
14	<p><math>p \leq 8</math></p> <p><math>p \geq 5</math> or <math>5 \leq p</math></p>	<p>1</p> <p>1</p>	

	$p = 5, 6, 7, 8$ *no mark awarded for any missing values of $p$	1	3
15	Uniform scale on the $y$ -axis All points mark correctly Correct line graph *3 points plotted correctly Refer appendix for the graph	1 2 1 1	4
16	Uniform scale on the $y$ -axis Plot all points correctly All points are joined and smooth curve *6 points plotted correctly Refer appendix for the graph	1 2 1 1	4
17	a) Construct angle $60^\circ$ correctly Construct angle $135^\circ$ correctly Complete quadrilateral ABCD  b) $\angle BCD = 55^\circ \pm 1^\circ$	1 2 1  1	5
18	$2n = 6$ $n = 3$	1 1	2
19	a) 10  b) $4 - 1$ 3	1  1 1	3
20	$AB = 4$  $1 - \frac{3}{4}$  $\frac{1}{4}$	1   1	2
	TOTAL		60

**NO. 15**

Number of cars sold  
Bilangan  
kereta  
yang dijual

