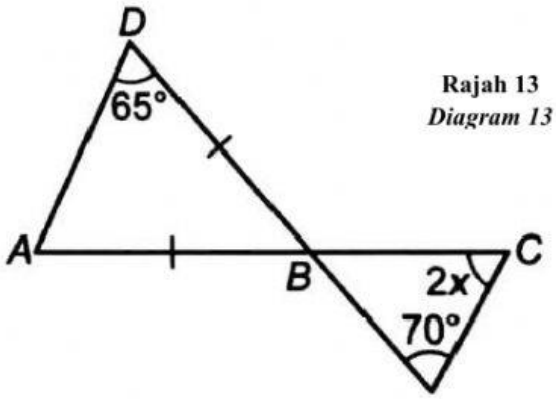
REVISION 12.1 F2
SECTION C

1. a. Dalam rajah 13 di bawah, ABC dan DBE ialah garis lurus.
In the diagram 13 below, ABC and DBE are straight lines.



Rajah 13
Diagram 13

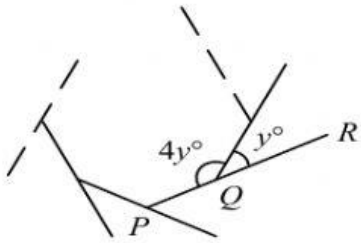
Cari nilai x. / *Find the value of x.*

Jawapan/ Answer : [3 markah/3 *marks*]

+ + =

$x =$

2. a. Rajah 11 menunjukkan sebahagian daripada poligon sekata. PQR ialah garis lurus.
Diagram 11 shows part of a regular polygon. PQR is a straight line.



Rajah 11 *Diagram 1*1

Cari nilai y. Seterusnya, hitung bilangan sisi poligon sekata itu.

Find the value of y. Calculate the number of sides of the regular polygon.

Jawapan/Answer: [4 markah/ 4 marks]

+ = Number of sides = _____ =

$y =$

LIVEWORKSHEETS

b. (i) Permudahkan / Simplify : $\frac{2x}{2y} + \frac{4x}{2y}$

(ii) Faktorkan selengkapnya / Factorise completely. 75 – 3x2

Jawapan/Answer: [3 markah /3 marks]

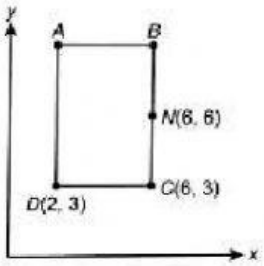
(i) _____ = _____

(ii) = ( )

= ( ) ( )

3. a. Rajah 12 dibawah menunjukkan suatu satah Cartes. ABCD ialah sebuah segiempat tepat dan titik N titik tengah bagi BC.

Diagram 12 below shows a Cartesian plane. ABCD is a rectangle and point N is the midpoint of BC.



Rajah 12
Diagram 12

(i) Cari koordinat titik B.

Find the coordinate of point B.

(ii) Tentukan titik A.

Determine the coordinate of A.

Jawapan/Answer: [3 markah/ 3 marks]

i) = _____

x =

= _____

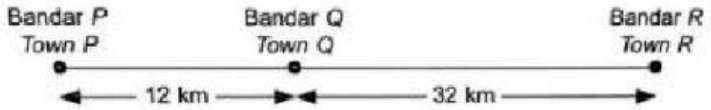
y =

ii)

coordinate of A = (,)

LIVEWORKSHEETS

b. Rajah 14 di bawah, menunjukkan kedudukan tiga Bandar, P, Q dan R. Puan Zara meninggalkan pejabatnya di Bandar P untuk mengambil anak perempuannya di Bandar Q. Selepas itu, mereka bergerak ke rumah mereka di Bandar R.
The diagram 14 below shows the position of three towns, P, Q and R. Puan Zara left her office in Town P to take her daughter in Town Q. After that they travelled back home in Town R.



Rajah 14
Diagram 14

Cari laju purata bagi keseluruhan perjalanan, dalam km/j, jika jumlah masa yang diambil ialah 30 minit.
Find the average speed of the entire journey, in km/h, if the total time taken was 30 minutes.

Jawapan/*Answer*: [3 markah/ 3 *marks*]

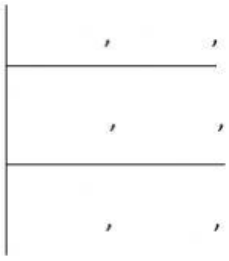
Time = = hour

Speed = _____ + _____ = km/ hour

4. a) A car that travels along a straight road will pass through three traffic lights. The first, second and third traffic lights will turn green every 3 minutes, 2 minutes and 5 minutes respectively. What is the time interval for all the three traffic lights to turn green simultaneously?

Sebuah kereta yang bergerak di sepanjang suatu jalan raya yang lurus akan melalui tiga lampu isyarat. Lampu isyarat pertama, kedua dan ketiga masing-masing akan menyalakan lampu hijau setiap 3 minit, 2 minit dan 5 minit. Berapkah selang masa bagi ketiga-tiga lampu isyarat itu untuk menyalakan lampu hijau secara serentak?

Answers/*Jawapan :*



Time for all traffic light green

= x

= second

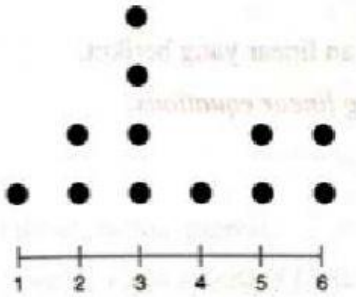
= minute

(4 *marks*/markah)

LIVEWORKSHEETS

b) The diagrams shows a dot plot representing the outcomes of rolling a dice for twelve times.

Rajah menunjukkan satu plot titik yang mewakili kesudahan sebiji dadu yang dilontarkan sebanyak dua belas kali.



Find the mode, median and mean of the data.

Cari mod, median dan min bagi data itu.

Answers/*Jawapan :*

Mode =

Median =

Mean = $\dfrac{\quad + \quad + \quad + \quad + \quad + \quad}{\qquad\qquad\qquad\qquad}$

=

(4 *marks*/markah)

5. Express $\frac{p}{3} - \frac{6-2pq}{6q}$ as a single fraction in its simplest form.

Ungkapkan $\frac{1}{5p} - \frac{6-2q}{6q}$ *sebagai satu pecahan tunggal dalam bentuk termudah.*

Answers/*Jawapan :*

= _____

= _____

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= ( )

= _____

(3 *marks*/markah)

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