

SULIT



NAMA: \_\_\_\_\_ TINGKATAN: \_\_\_\_\_

**SEKOLAH MENENGAH KEBANGSAAN  
KUHARA TAWAU**

**PEPERIKSAAN PERCUBAAN SPM 2021**

**MATEMATIK / MATHEMATICS 1449/1**

**KERTAS 1/PAPER 1**

$1\frac{1}{2}$  jam/hours

Satu Jam Tiga Puluh Minit/One Hour Thirty Minutes

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**JANGAN BUKA KERTAS PEPERIKSAAN INI SEHINGGA DIBERITAHU**  
***DO NOT OPEN THIS EXAMINATION PAPER UNTIL INSTRUCTED***

1. Kertas peperiksaan ini mengandungi 40 soalan objektif.  
*This examination paper contains 40 objective questions.*
2. Jawab **semua** soalan.  
*Answer **all** questions.*
3. Pilih jawapan dari A, B, C, D dan tandakan hitam di kertas OMR.  
*Choose the answer from A, B, C, D and mark it in black on the OMR paper.*
4. Semua gambar rajah dalam kertas soalan ini tidak dilukis mengikut skala sebenar kecuali dinyatakan.  
*All diagrams in this question paper are not drawn to actual scale unless stated.*
5. Anda boleh menggunakan non-programmable scientific calculator.  
*You can use a non-programmable scientific calculator.*

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Kertas peperiksaan ini mengandungi 13 halaman bercetak  
*This examination paper consists of 13 printed pages*

**RUMUS MATEMATIK**  
**MATHEMATICAL FORMULAE**

Rumus-rumus berikut boleh membantu anda menjawab soalan. Simbol-simbol yang diberi adalah yang biasa digunakan.

*The following formulae may be helpful in answering the questions. The symbols given are the ones commonly used.*

**NOMBOR DAN OPERASI**  
**NUMBERS AND OPERATIONS**

$$1 \quad a^m \times a^n = a^{m+n} \qquad \qquad \qquad 2 \quad a^m \div a^n = a^{m-n}$$

$$3 \quad (a^m)^n = a^{mn} \qquad \qquad \qquad 4 \quad a^{\frac{m}{n}} = (a^m)^{\frac{1}{n}}$$

$$5 \quad \text{Faedah mudah / Simple interest, } I = Prt$$

$$6 \quad \text{Faedah kompaun / Compound interest, } MV = P \left( 1 + \frac{r}{n} \right)^{nt}$$

$$7 \quad \text{Jumlah bayaran balik / Total repayment, } A = P + Prt$$

**PERKAITAN DAN ALGEBRA**  
**RELATIONSHIP AND ALGEBRA**

$$1 \quad \text{Jarak / Distance} = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

$$2 \quad \begin{array}{l} \text{Titik tengah /} \\ \text{Midpoint,} \end{array} \quad (x, y) = \left( \frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

$$3 \quad \text{Laju purata} = \frac{\text{Jumlah jarak}}{\text{Jumlah masa}}$$

$$\text{Average speed} = \frac{\text{Total distance}}{\text{Total time}}$$

$$4 \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$5 \quad m = -\frac{\text{pintasan-y}}{\text{pintasan-x}}$$

$$m = -\frac{y\text{-intercept}}{x\text{-intercept}}$$

$$6 \quad A^{-1} = \frac{1}{ad - bc} \begin{pmatrix} d & -b \\ -c & a \end{pmatrix}$$

**SUKATAN DAN GEOMETRI**  
**MEASUREMENT AND GEOMETRY**

- 1 Teorem Pythagoras / *Pythagoras Theorem*,  $c^2 = a^2 + b^2$
- 2 Hasil tambah sudut pedalaman poligon / *Sum of interior angles of a polygon*  
 $= (n - 2) \times 180^\circ$
- 3 Lilitan bulatan  $= \pi d = 2\pi r$   
*Circumference of circle*  $= \pi d = 2\pi r$
- 4 Luas bulatan  $= \pi j^2$   
*Area of circle*  $= \pi r^2$
- 5  $\frac{\text{Panjang lengkok}}{2\pi j} = \frac{\theta}{360^\circ}$   
 $\frac{\text{Arc length}}{2\pi r} = \frac{\theta}{360^\circ}$
- 6  $\frac{\text{Luas sektor}}{\pi j^2} = \frac{\theta}{360^\circ}$   
 $\frac{\text{Area of sector}}{\pi r^2} = \frac{\theta}{360^\circ}$
- 7 Luas lelayang  $= \frac{1}{2} \times$  hasil darab panjang dua pepenjuru  
 $\text{Area of kite} = \frac{1}{2} \times \text{product of two diagonals}$
- 8 Luas trapezium  $= \frac{1}{2} \times$  hasil tambah dua sisi selari  $\times$  tinggi  
 $\text{Area of trapezium} = \frac{1}{2} \times \text{sum of two parallel sides} \times \text{height}$
- 9 Luas permukaan silinder  $= 2\pi j^2 + 2\pi jt$   
*Surface area of cylinder*  $= 2\pi r^2 + 2\pi rh$
- 10 Luas permukaan kon  $= \pi j^2 + \pi js$   
*Surface area of cone*  $= \pi r^2 + \pi rs$
- 11 Luas permukaan sfera  $= 4\pi j^2$   
*Surface area of sphere*  $= 4\pi r^2$
- 12 Isi padu prisma  $=$  luas keratan rentas  $\times$  tinggi  
*Volume of prism*  $= \text{area of cross section} \times \text{height}$
- 13 Isi padu silinder  $= \pi j^2 t$   
*Volume of cylinder*  $= \pi r^2 h$

14 Isi padu kon =  $\frac{1}{3}\pi j^2 t$

$$Volume\ of\ cone = \frac{1}{3}\pi r^2 h$$

15 Isi padu sfera =  $\frac{4}{3}\pi j^3$

$$Volume\ of\ sphere = \frac{4}{3}\pi r^3$$

16 Isi padu piramid =  $\frac{1}{3} \times \text{luas tapak} \times \text{tinggi}$

$$Volume\ of\ pyramid = \frac{1}{3} \times \text{base area} \times \text{height}$$

17 Faktor skala,  $k = \frac{PA'}{PA}$

$$Scale\ factor, k = \frac{PA'}{PA}$$

18 Luas imej =  $k^2 \times \text{luas objek}$

$$Area\ of\ image = k^2 \times \text{area of object}$$

### STATISTIK DAN KEBARANGKALIAN STATISTICS AND PROBABILITY

1 Min/ Mean,  $\bar{x} = \frac{\sum x}{N}$

2 Min/ Mean,  $\bar{x} = \frac{\sum fx}{f}$

3 Varians/ Variance,  $\sigma^2 = \frac{\sum(x - \bar{x})^2}{N} = \frac{\sum x^2}{N} - \bar{x}^2$

4 Varians/ Variance,  $\sigma^2 = \frac{\sum f(x - \bar{x})^2}{\sum f} = \frac{\sum fx^2}{\sum f} - \bar{x}^2$

5 Sisihan piawai/ Standard deviation,  $\sigma = \sqrt{\frac{\sum(x - \bar{x})^2}{N}} = \sqrt{\frac{\sum x^2}{N} - \bar{x}^2}$

6 Sisihan piawai/ Standard deviation,  $\sigma = \sqrt{\frac{\sum f(x - \bar{x})^2}{\sum f}} = \sqrt{\frac{\sum fx^2}{\sum f} - \bar{x}^2}$

7  $P(A) = \frac{n(A)}{n(S)}$

8  $P(A') = 1 - P(A)$

**JAWAB SEMUA SOALAN**  
**ANSWER ALL QUESTIONS**

1. Bundarkan 0.0080152 betul kepada tiga angka bererti.

*Round off 0.0080152 correct to three significant figures.*

- A. 0.00802                    C. 0.00801  
 B. 0.008015                D. 0.008

2.  $3.2 \times 10^8 + 1.05 \times 10^7 =$

- A.  $3.305 \times 10^{-8}$     C.  $3.305 \times 10^8$   
 B.  $4.25 \times 10^{15}$     D.  $4.25 \times 10^1$

3. Ungkapkan 0.00000312 dalam bentuk piawai.

*Express 0.00000312 in standard form.*

- A.  $3.12 \times 10^6$     C.  $3.12 \times 10^{-6}$   
 B.  $3.12 \times 10^5$     D.  $3.12 \times 10^{-5}$

4.  $523_7 + 64_7 =$

- A.  $502_7$                     C.  $602_7$   
 B.  $520_7$                     D.  $620_7$

5. Nyatakan nilai digit 4 bagi nombor  $2340_5$ , dalam asas sepuluh.

*State the value of 4 for number  $2340_5$ , in base 10.*

- A. 20                            C. 25  
 B. 100                        D. 400

6. Diberi  $2(m-k) - \frac{k}{4} = m$ ,  
 ungkapkan  $m$  dalam sebutan  $k$ .

*Given  $2(m-k) - \frac{k}{4} = m$ ,  
 express  $m$  in terms of  $k$ .*

A.  $m = \frac{9k}{7}$     C.  $m = \frac{5k}{4}$

B.  $m = \frac{12k}{7}$     D.  $m = \frac{9k}{4}$

7. Permudahkan:

*Simplify:*

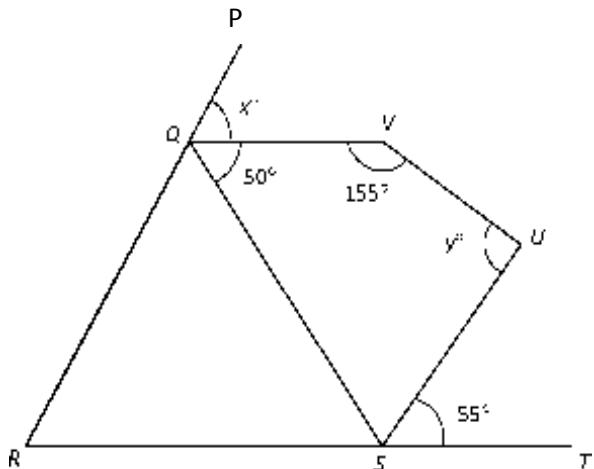
$$(2m^2)^3 \times \frac{2mn^2}{4m^2n^{-4}}$$

A.  $4m^4n^{-2}$     C.  $4m^5n^6$

B.  $3m^6n^{-2}$     D.  $3m^9n^6$

8. Dalam rajah di bawah, QRS ialah sebuah segitiga sama sisi. PQR dan RST adalah garis lurus.

*In the diagram below, QRS is an equilateral triangle. PQR and RST are a straight line.*



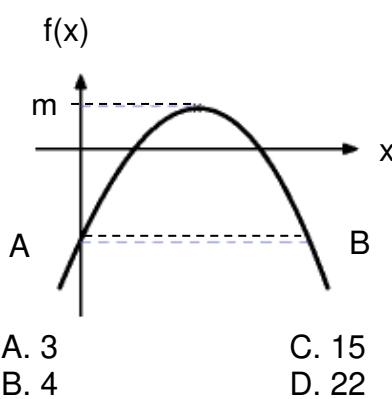
Hitung nilai  $x + y$ .

*Calculate the value of  $x + y$ .*

- A. 205                            C. 165  
 B. 160                            D. 130

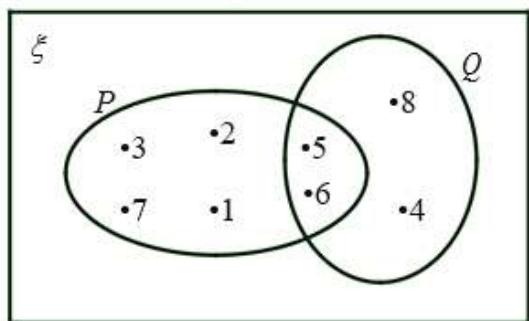
9. Rajah di bawah menunjukkan graf fungsi kuadratik  $f(x) = -x^2 + 6x - 5$ . Garis lurus  $AB$  adalah selari dengan paksi  $x$ . Tentukan nilai  $m$ .

*Diagram below shows the graph of the quadratic function  $f(x) = -x^2 + 6x - 5$ . The straight line  $AB$  is parallel with the  $x$ -axis. Determine the value of  $m$ .*



10. Rajah di bawah ialah gambar rajah Venn yang menunjukkan set semesta  $\xi$ , set  $P$  dan set  $Q$ .

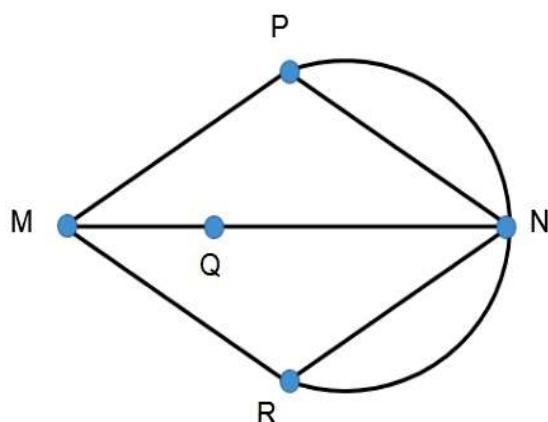
*Diagram below is a Venn diagram showing the universal set  $\xi$ , set  $P$  and set  $Q$ .*



Cari  $n(P \cup Q')$ . Find  $n(P \cup Q')$ .

- A. 6                      C. 5  
 B. 4                      D. 3

11. Rajah di bawah menunjukkan sebuah graf ganda tak terarah.
- Diagram below shows a non-directional double graph.*

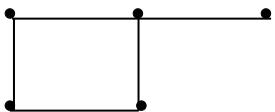
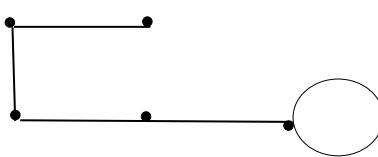
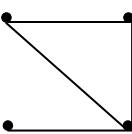
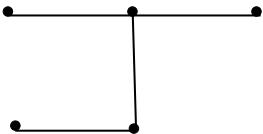


Hitung nilai darjah,  $d$  bagi bucu  $N$ .

*Calculate the value of degree,  $d$  for the vertices of  $N$ .*

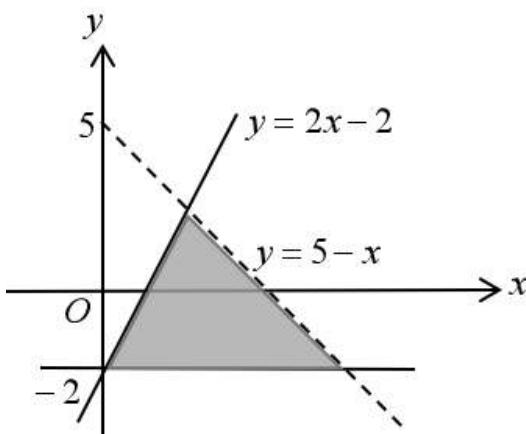
- A. 4                      C. 10  
 B. 5                      D. 14

12. Antara berikut, yang manakah suatu pokok?
- Which of the following is a tree?*

- A. 
- B. 
- C. 
- D. 

13. Nyatakan sistem ketaksamaan linear yang mentakrifkan rantau berlorek dalam rajah di bawah.

*State the system of linear inequalities which defines the shaded region in the diagram below.*



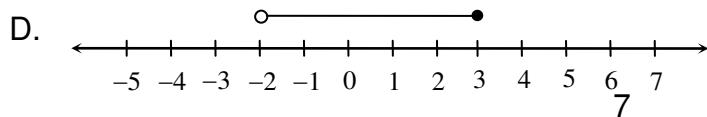
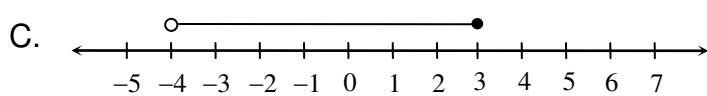
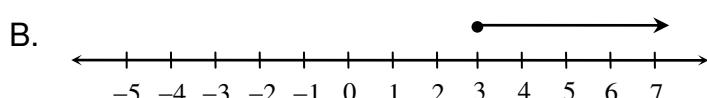
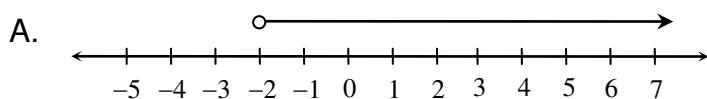
- A.  $y \leq 2x - 2, y > 5 - x, y \geq -2$
- B.  $y \leq 2x - 2, y \geq 5 - x, y \leq -2$
- C.  $y \leq 2x - 2, y < 5 - x, y \geq -2$
- D.  $y \geq 2x - 2, y < 5 - x, y \geq -2$

14. Antara berikut yang manakah mewakili penyelesaian bagi ketaksamaan linear serentak

$$2x - 3 \leq x \text{ dan } x + 2 > \frac{x}{2} ?$$

*Which of the following represents the solution of the simultaneous linear inequality*

$$2x - 3 \leq x \text{ dan } x + 2 > \frac{x}{2} ?$$



15. Senaraikan semua integer  $x$  yang memuaskan kedua-dua ketaksamaan linear serentak,

$$4 + x \geq 1 \text{ dan } -\frac{1}{4}x > -1.$$

*List all the integers  $x$  which satisfy both the simultaneous linear inequalities,*

$$4 + x \geq 1 \text{ and } -\frac{1}{4}x > -1.$$

- A. -2, -1, 0, 1, 2, 3
- B. -2, -1, 0, 1, 2, 3, 4
- C. -3, -2, -1, 0, 1, 2, 3
- D. -3, -2, -1, 0, 1, 2, 3, 4

16. Kebarangkalian seorang pesakit untuk dijangkiti sejenis virus ialah  $\frac{1}{10}$ . Dua orang pesakit dipilih secara rawak untuk menjalani saringan pada masa yang sama. Hitung kebarangkalian sekurang-kurangnya seorang pesakit dijangkiti virus itu.

*The probability of a patient is infected with a virus  $\frac{1}{10}$ . Two patients are selected at random to perform the screening at the same time. Calculate the probability that at least one of the patients selected is infected with the virus.*

A.  $\frac{1}{10}$

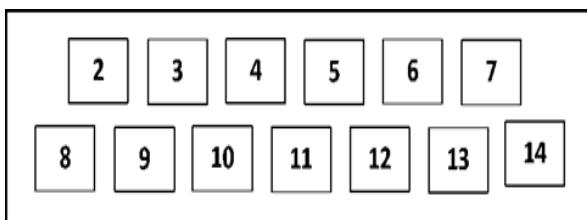
C.  $\frac{19}{100}$

B.  $\frac{9}{50}$

D.  $\frac{8}{100}$

17. Rajah di bawah menunjukkan sebilangan kad berlabel di dalam sebuah kotak.

*The diagram below shows a number of labeled cards in a box.*



Sekeping kad dipilih secara rawak dari kotak itu. Cari kebarangkalian bahawa kad berlabel nombor perdana dipilih.

*A piece of card is randomly selected from the box. Find the probability that the card labeled prime number is selected.*

- |                   |                   |
|-------------------|-------------------|
| A. $\frac{7}{13}$ | C. $\frac{8}{13}$ |
| B. $\frac{6}{13}$ | D. $\frac{5}{13}$ |

18. Jadual di bawah menunjukkan bilangan adik-beradik bagi 30 orang murid tingkatan 4A.

*The table below shows the number of siblings for 30 students in 4A.*

Bil.adik-beradik No. of siblings	0	1	2	3	4	5	6
Bil. Murid No. of students	2	4	6	3	7	5	3

Tentukan sisihan piawai bagi bilangan adik-beradik murid kelas berkenaan.

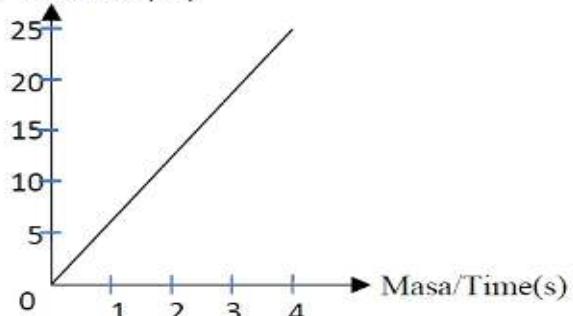
*Determine the standard deviation for the number of siblings.*

- |          |         |
|----------|---------|
| A. 1.759 | C. 3.2  |
| B. 3.093 | D. 3.44 |

19. Rajah di bawah menunjukkan graf jarak-masa bagi gerakan suatu zarah.

*Diagram below shows the distances-time graph for the motion of a particle.*

Jarak / Distance (m)



Graf itu menunjukkan zarah itu  
*The graph shows that particle*

- A. bergerak semakin laju  
is moving faster
- B. bergerak semakin perlahan  
is moving slower
- C. bergerak dengan laju seragam  
is moving with a constant speed
- D. berada dalam keadaan rehat  
is at rest.

20. Antara yang berikut, yang manakah adalah pernyataan BENAR?

*Which of the following is a TRUE statement?*

- A.  $4 + 2 = 6$  atau/or  $2 - 2 = 1$
- B.  $4 + 1 = 3$  dan/and  $3 - 5 = -2$
- C.  $2 + 3 = 6$  atau/or  $3 - 2 = 5$
- D.  $2 + 1 = 3$  dan/and  $3 - 1 = 4$

21. Rajah di bawah ialah songsangan bagi suatu implikasi.

*The diagram below is the inverse of an implication.*

Jika 3 bukan faktor bagi 9, maka 9 tidak boleh dibahagi tepat dengan 3.  
*If 3 is not a factor of 9, then 9 cannot be divided by 3.*

Antara berikut yang manakah adalah kontrapositif bagi implikasi di atas?

*Which of the following is the contrapositive of the above implication?*

A. Jika 9 tidak boleh dibahagi tepat dengan 3, maka 3 bukan faktor bagi 9.

*If 9 cannot be divided by 3, then 3 is not a factor of 9.*

B. Jika 3 boleh dibahagi tepat dengan 9, maka 3 ialah faktor bagi 9.

*If 3 can be divided by 9, then 3 is a factor of 9.*

C. Jika 9 boleh dibahagi tepat dengan 3, maka 3 ialah faktor bagi 9.

*If 9 can be divided by 3, then 3 is a factor of 9.*

D. Jika 3 tidak boleh dibahagi tepat dengan 9, maka 3 ialah faktor bagi 9.

*If 3 cannot be divided by 9 then 3 is a factor of 9.*

22. Insurans Am meliputi kesemua yang berikut kecuali

*General insurance including all the following except*

A. Insurans hayat/*Life insurance*

B. Insurans motor/*Motor insurance*

C. Insurans kebakaran/*Fire insurance*

D. Insurans perjalanan/*Travel insurance*

23. Jadual di bawah ialah pendapatan yang diperoleh oleh Ani.

*The table below is Ani's income.*

Gaji / Salary	RM4500
Komisen / Commission	RM820
Sewa diterima / <i>Rental received</i>	RM650
Dividen / Dividend	RM700

Hitung pendapatan aktif Ani.

*Calculate active income of Ani.*

- A. RM4500                                    C. RM5970  
B. RM5320                                    D. RM6670

24. Azalea memiliki sebidang tanah berkeluasan  $6.5m \times 24.9m$  untuk membina rumah kediaman. Kerajaan negeri menetapkan kadar cukai tanah di kawasan itu pada RM0.40 setiap meter persegi. Berapakah jumlah cukai tanah yang perlu dibayar oleh Azalea setiap tahun?

*Azalea owns a piece of land measuring  $6.5m \times 24.9m$  to build a residential house. The state government has set the quit rent rate in the area at RM0.40 per square meter. How much quit tax does Azalea have to pay each year?*

- A. RM64.74                                    C. RM12.56  
B. RM404.63                                    D. RM776.88

25. Antara yang berikut yang manakah merupakan jenis simpanan.

*Which of the following is a type of savings.*

- A. Saham/*Shares*  
B. Amanah saham/*Trust fund*  
C. Hartanah/*Real estate*  
D. Akaun semasa/*Current account*

26. Apakah kelemahan penggunaan kad kredit?  
*What is the disadvantage of using credit card?*

- A. Dapat menikmati sistem ganjaran dalam bentuk wang tunai atau penukaran mata.  
*Can enjoy a reward system in the form of cash or point redemption.*
- B. Boleh berbelanja secara berlebihan.  
*Overspending.*
- C. Tidak memerlukan kita membawa wang tunai yang banyak.  
*Does not require us to carry a lot of cash.*
- D. Kaedah pembayaran yang mudah dan cekap.  
*Easy and efficient payment method.*

27. Ogif di bawah menunjukkan umur bagi sekumpulan murid.  
*Ogive below shows the age of a group of students.*

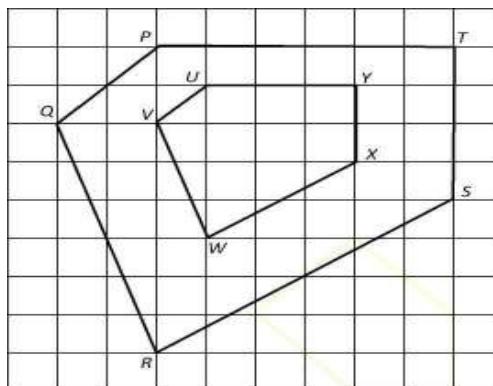


Cari median umur.  
*Find the median of the age.*

- A. 24.5
- C. 26.5
- B. 25.5
- D. 27.5

28. Rajah di bawah menunjukkan pentagon PQRST ialah imej bagi pentagon UVWXY di bawah suatu pembesaran dengan faktor skala, k.

*Diagram below shows pentagon PQRST is the image of pentagon UVWXY under an enlargement with the scale factor, k.*

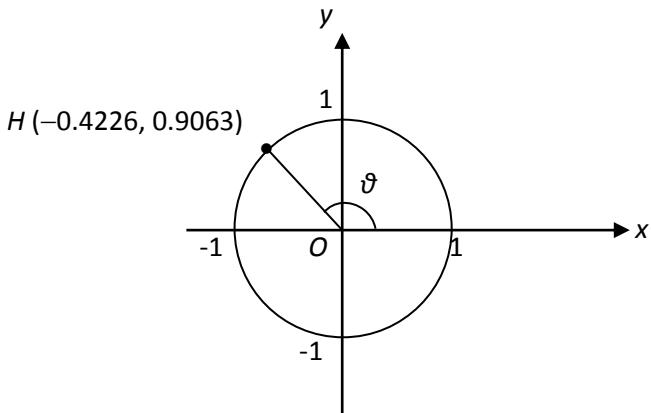


Apakah nilai k? *What is the value of k?*

- A. 3
- C. 2
- B.  $\frac{1}{2}$
- D. -2

29. Dalam rajah di bawah, O ialah pusat bagi unit bulatan.

*In the diagram below, O is the centre of unit circle.*

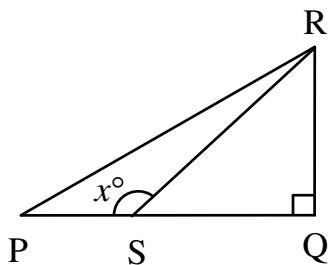


Cari nilai bagi sin θ.

*Find the value of sin θ.*

- A. -0.9063
- C. -0.4226
- B. 0.9063
- D. 2.1446

30. Rajah di bawah menunjukkan segitiga bersudut tegak PQR.  
*Diagram below shows a right triangle PQR.*



Diberi  $\tan x^\circ = -\frac{3}{4}$ ,  $SQ = 12 \text{ cm}$

dan  $PS = \frac{1}{2} SQ$ .

Given  $\tan x^\circ = -\frac{3}{4}$ ,  $SQ = 12 \text{ cm}$

and  $PS = \frac{1}{2} SQ$ .

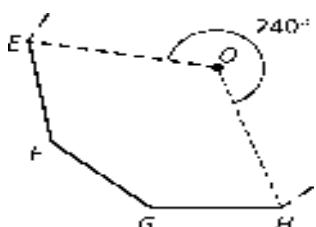
Cari panjang, dalam cm bagi PR.

*Find length, in cm for PR.*

- |          |          |
|----------|----------|
| A. 14.32 | C. 20.12 |
| B. 18.25 | D. 24.03 |

31. Dalam rajah di bawah, E, F, G dan H ialah 4 bucu yang berturutan bagi sebuah poligon sekata. O ialah pusat bagi poligon itu.

*In the diagram below, E, F, G, and H are 4 consecutive vertices of a regular polygon. O is the centre of the polygon.*



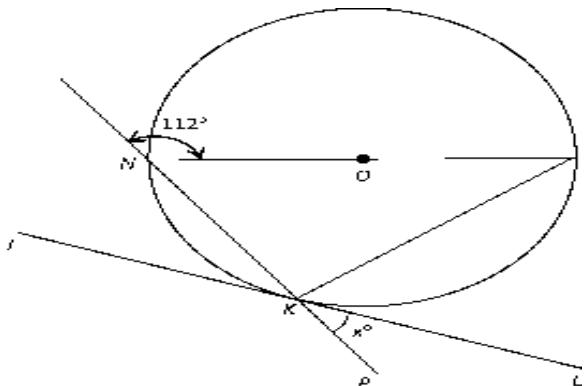
Cari bilangan sisi bagi poligon sekata itu.

*Find the number of sides of the regular polygon.*

- |      |       |
|------|-------|
| A. 7 | C. 8  |
| B. 9 | D. 10 |

32. Rajah di bawah menunjukkan sebuah bulatan KMN, berpusat O. JKL ialah tangen kepada bulatan itu di titik K. NKP ialah garis lurus dan NOM ialah diameter bulatan.

*The diagram below shows a circle KMN, centered O. JKL is the tangent to the circle at point K. NKP is a straight line and NOM is the diameter of the circle.*



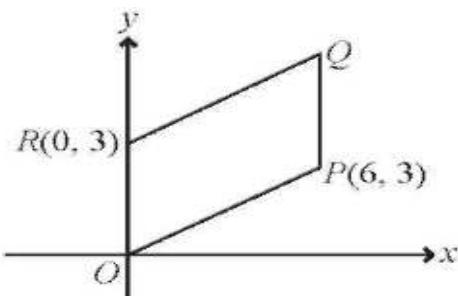
Cari nilai x.

*Find the value of x.*

- |       |       |
|-------|-------|
| A. 22 | C. 44 |
| B. 56 | D. 68 |

33. Dalam rajah di bawah, OPQR ialah sebuah segi empat selari.

*In the diagram below, OPQR is a parallelogram.*



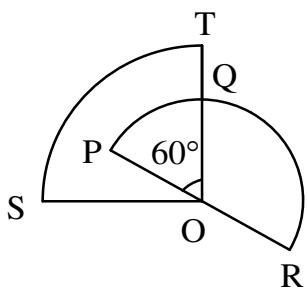
Cari persamaan garis lurus QR.

*Find the equation of the straight line QR.*

- |                            |
|----------------------------|
| A. $y = -2x + 3$           |
| B. $y = 2x + 3$            |
| C. $y = \frac{1}{2}x + 3$  |
| D. $y = -\frac{1}{2}x + 3$ |

34. Rajah menunjukkan sukuan bulatan OST dan semibulatan PQR, yang kedua-duanya berpusat O.

*The diagram shows the quadrant of the circle OST and the semicircle PQR, both of which are centered at O.*



Diberi OS = 21 cm, OP = 14 cm.  
Given OS = 21 cm, OP = 14 cm.  
[Guna/use  $\pi = \frac{22}{7}$ ]

Hitung luas, dalam  $\text{cm}^2$ , kawasan yang berlorek.

*Calculate the area, in  $\text{cm}^2$ , of the shaded area.*

- A. C.  
B. D.

35. Diberi  $y \propto \frac{1}{(x+2)^n}$  dan  $y = \frac{1}{2}$

apabila  $n = 2$  dan  $x = 2$ . Cari nilai bagi n apabila  $y = 1$  dan  $x = 6$ .

*Given  $y \propto \frac{1}{(x+2)^n}$  and  $y = \frac{1}{2}$*

*when  $n = 2$  and  $x = 2$ . Find the value of n when  $y = 1$  and  $x = 6$ .*

- A. 1 C.  $\frac{1}{2}$   
B.  $\frac{1}{8}$  D. 8

36. Jadual di bawah menunjukkan hubungan antara g, h dan f. Diberi g berkadar langsung dengan h dan songsang dengan f.

*The table below shows the relationship between g, h and f. Given g is directly proportional to h and inversely proportional to f.*

g	h	f
3	x	6
$2\frac{1}{2}$	10	2

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

- A.  $\frac{1}{2}$  B. 18  
C. 25 D. 36

37.

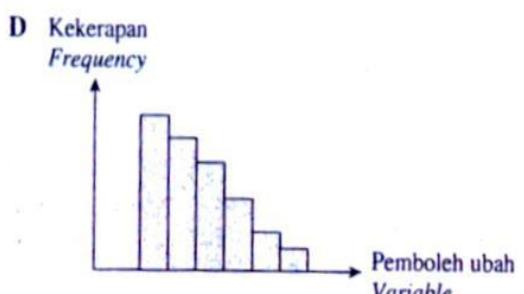
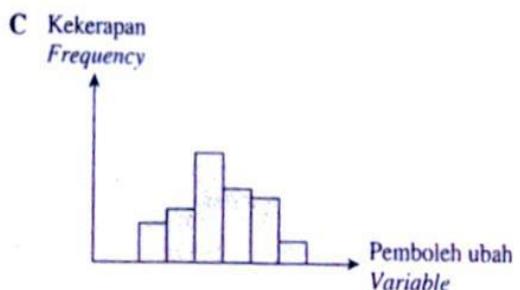
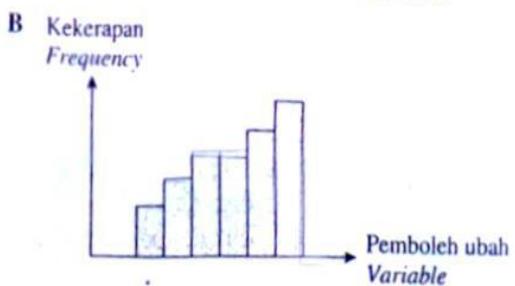
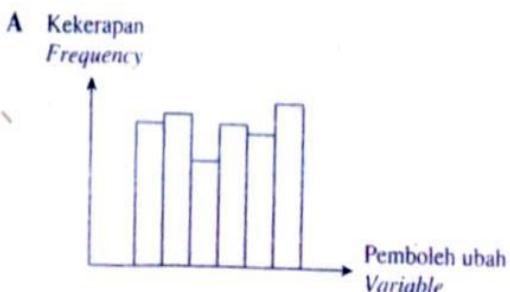
$$\begin{pmatrix} 3 & -6 \\ 2 & -2 \end{pmatrix} + 3 \begin{pmatrix} 1 & -6 \\ 0 & 9 \end{pmatrix} =$$

- A.  $\begin{pmatrix} 3 & -6 \\ 5 & -2 \end{pmatrix}$  C.  $\begin{pmatrix} 1 & -12 \\ 2 & -7 \end{pmatrix}$   
B.  $\begin{pmatrix} 6 & -12 \\ 2 & 29 \end{pmatrix}$  D.  $\begin{pmatrix} 6 & -24 \\ 2 & 25 \end{pmatrix}$

38. Selesaikan/solve  $\begin{pmatrix} 6 & -24 \\ 2 & 25 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$

- A.  $\begin{pmatrix} 6 & 3 \\ 2 & -2 \end{pmatrix}$  C.  $\begin{pmatrix} 2 & -2 \\ 2 & -7 \end{pmatrix}$   
B.  $\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$  D.  $\begin{pmatrix} 6 & -24 \\ 2 & 25 \end{pmatrix}$

39. Histogram manakah mempunyai bentuk taburan pencong ke kanan?  
*Which histogram has a distribution shape of right-skewed?*



40. Jadual di bawah menunjukkan harga bagi makanan dalam sebuah restoran.

*The table below shows the prices of food in a restaurant.*

Makanan <i>Food</i>	Harga Per Pinggan (RM) <i>Price Per Plate (RM)</i>
Nasi ayam <i>Chicken rice</i>	7.00
Nasi lemak <i>Nasi lemak</i>	4.00
Mi goreng <i>Fried noodles</i>	5.00

Keluarga Encik Chai telah memesan tiga pinggan nasi ayam, sepinggan nasi lemak dan dua pinggan mi goreng. Diberi bahawa restoran itu mengenakan cukai perkhidmatan 6%. Berapakah jumlah amaun yang perlu dibayar oleh Encik Chai?

*Mr. Chai's family has ordered three plates of chicken rice, a plate of nasi lemak and two plates of fried noodles. Given that the restaurant charges a 6% service tax. What is the total amount that Mr. Chai has to pay?*

- A. RM35.00                      C. RM38.50  
B. RM37.10                      D. RM39.40

KEBTAS SOALAN TAMAT / END OF QUESTION PAPER

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