

SULIT

NO. KAD PENGENALAN/
NO. SIJIL KELAHIRAN

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ANGKA GILIRAN

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**LEMBAGA PEPERIKSAAN
KEMENTERIAN PENDIDIKAN MALAYSIA**

UJIAN PENCAPAIAN SEKOLAH RENDAH 20XX

MATEMATIK

Kertas 2
September

1 jam

015/2

Satu jam

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

- Kamu dikehendaki menulis **nombor kad pengenalan / nombor sijil kelahiran dan angka giliran** kamu pada petak yang disediakan.*
- Kertas soalan ini mengandungi **15** soalan.*
- Jawab **semua** soalan.*
- Tulis jawapan kamu dengan jelas dalam ruang yang disediakan dalam kertas soalan.*
- Tunjukkan langkah-langkah penting. Ini boleh membantu kamu untuk mendapatkan markah.*
- Sekiranya kamu hendak menukar jawapan, padamkan jawapan yang telah dibuat. Kemudian tulis jawapan yang baharu.*
- Rajah yang mengiringi soalan tidak dilukis mengikut skala kecuali dinyatakan.*
- Markah yang diperuntukkan bagi setiap soalan ditunjukkan dalam kurungan.*
- Serahkan kertas soalan ini kepada pengawas peperiksaan di akhir peperiksaan.*

| Untuk Kegunaan Pemeriksa | | |
|--------------------------|--------------|------------------|
| Kod Pemeriksa: | | |
| Soalan | Markah Penuh | Markah Diperoleh |
| 1 | 2 | |
| 2 | 2 | |
| 3 | 3 | |
| 4 | 4 | |
| 5 | 3 | |
| 6 | 3 | |
| 7 | 5 | |
| 8 | 4 | |
| 9 | 4 | |
| 10 | 5 | |
| 11 | 5 | |
| 12 | 5 | |
| 13 | 5 | |
| 14 | 5 | |
| 15 | 5 | |
| Jumlah | 60 | |

Kertas soalan ini mengandungi 15 halaman bercetak dan 1 halaman tidak bercetak.

[60 marks]

Answer **all** questions.

1 Diagram 1 shows a piece of number card.

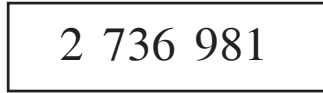


Diagram 1

(i) State the digit that represents the place value of hundred thousands.

..... [1 mark]

(ii) Round off 2 736 981 to the nearest ten thousand.

..... [1 mark]

1

| |
|---|
| |
| 2 |

2 Diagram 2 shows a rectangle that is divided into several parts of equal size.



Diagram 2

(i) Write the fraction that represents the shaded region of the whole diagram.

..... [1 mark]

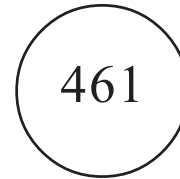
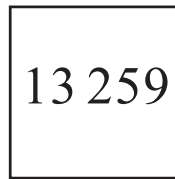
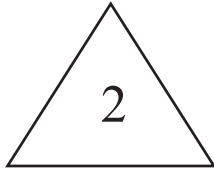
(ii) State the value of fraction in a decimal number.

..... [1 mark]

2

| |
|---|
| |
| 2 |

- 3 (i) Add the number in the square to the number in the circle and multiply the total by the number in the equilateral triangle.



What is the answer?

[2 marks]

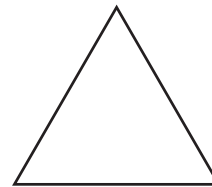
- (ii) Diagram consists of three types of polygons.



Hexagon



Square



Equilateral
triangle

Lidya chooses one of the polygon with the following characteristic;

1. Each vertical has an obtuse angle.
2. Each side has the same length.

Name the polygon chosen by Lidya.

[1 mark]

4 Alias has an appointment at Klinik Amar at 10.05 a.m. Alias reaches the clinic at 9.52 a.m. After the treatment, Alias leaves the clinic at 10.25 a.m. and reaches the school 45 minutes later.

(i) Alias reaches for his appointment earlier.

How many minutes earlier does Alias reach the clinic?

[1 mark]

(ii) At what time does Alias reach his school?

State the time in 24-hour system.

[3 marks]

4

| |
|---|
| 4 |
|---|

5 The following conversation is between Cikgu Uya and three pupils.

I managed to collect 120 cans.

We collected the same number of cans.

The total cans that all of you collected is 380 only.

Jasni

Logan Kim

Cikgu Uya

Based on the conversation, calculate the number of cans collected by Kim.

[3 marks]

5

| |
|---|
| 3 |
|---|

6 Diagram 6 shows the mass of a watermelon.

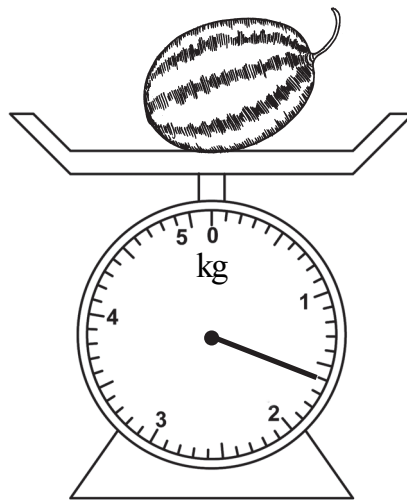


Diagram 6

(i) State the mass, in kg, of the watermelon.

[1 mark]

(ii) How many watermelons of the same mass, need to be added so that the total mass of all the watermelon is not more than 5 kg?

[2 marks]

7 Diagram 7 shows a measuring cylinder filled with water.

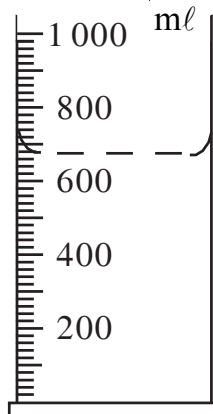


Diagram 7

(i) State the volume, in ml , of the water.

.....
[1 mark]

(ii) The water is lessened by 140 ml .

Calculate the volume, in ℓ , of the remaining water.

[2 marks]

(iii) Based on the question (ii), the remaining water is poured into 3 containers of the same size.

Calculate the mean, of the volume of water in each container.

[2 marks]

8 The mean of 5 numbers is 18.

(i) Find the total of the 5 numbers .

[2 marks]

(ii) The total of the three numbers which is taken out is 36.

Calculate the mean of the remaining 2 numbers.

[2 marks]

CONTOH

- 9 Amy does a study on the time used for revision among her friends.
Table below shows the finding of her study.

| Time | Number of people |
|--------------------------|------------------|
| Before 7.00 p.m. | 3 |
| 7.00 p.m. till 7.59 p.m. | 8 |
| 8.00 p.m. till 8.59 p.m. | 9 |
| 9.00 p.m. till 9.59 p.m. | 6 |
| After 10.00 p.m. | 4 |

- (i) What is the total number of Amy's friends that revise before 8.00 p.m?

.....
[1 mark]

- (ii) Amy said that $\frac{1}{3}$ of her friends revise before 9.00 p.m.
Prove that Amy's statement is true or false.

[3 marks]

10 Diagram 10.1 shows a cubical box.

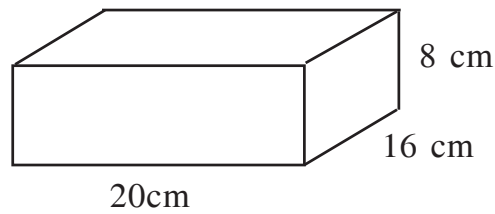


Diagram 10.1

(i) Calculate the volume of the box.

[2 marks]

(ii) Haris arranges 240 cubes of equal size into a box in Diagram 10.1 with one of the three types of cubes in Diagram 10.2.

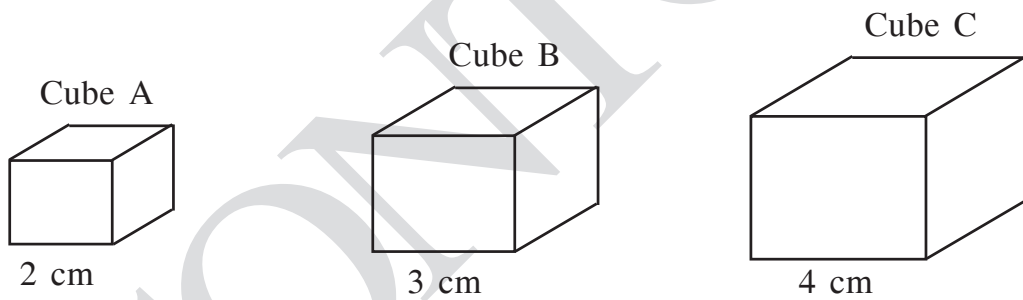


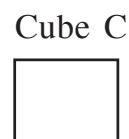
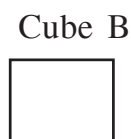
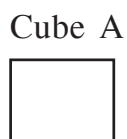
Diagram 10.2

The number of cubes he used can only fill $\frac{3}{4}$ of the space of the box.
Prove.

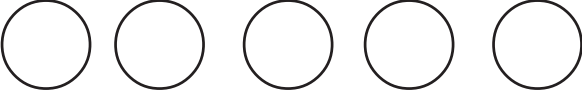
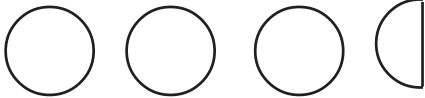


[2 marks]

(iii) Tick (✓) the cube used by Haris.

[1 mark]



11 Pictograph shows the number of table cloths sold in a month.

| Colour of table cloth | Numbers of table cloths |
|-----------------------|--|
| Blue |  |
| Red |  |
| White |  |
| Yellow |  |

 Represents 100 table cloths

(i) Write one colour of the table cloths which is sold more than 400 pieces.

.....
[1 mark]

(ii) An amount of 20% of the total number of table cloth is sold to Syarikat Cahaya Murni.

Calculate the number of table cloth sold to Syarikat Cahaya Murni.
[2 marks]

(iii) The selling price of a piece of table cloths is RM9.

Calculate the total price paid by Syarikat Cahaya Murni.
[2 marks]

12 Diagram 12 shows a cubical box. Two surfaces of the box are shaded.

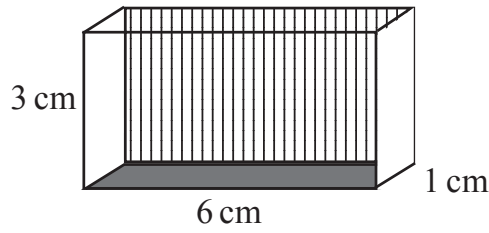


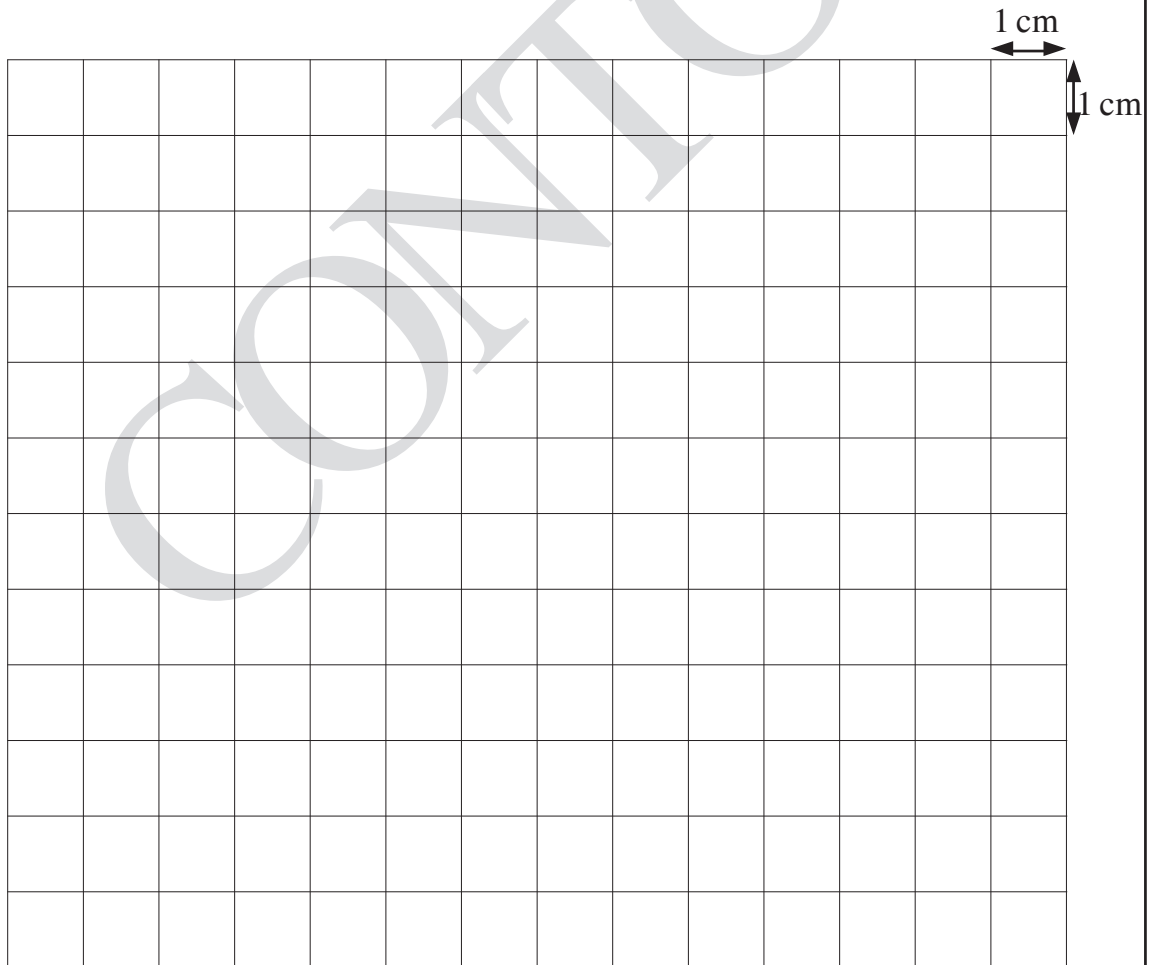
Diagram 12

(i) Calculate the total surface area of the shaded region.

[2 marks]

(ii) On the grid paper given, draw a rectangle that has the same area to the total surface area of the shaded region.

[3 marks]



13 Diagram 13 shows a flyer distributed to Encik Hamdan's house.

| Entrance Fee | | During school holidays, an interesting holiday package will be offered to your whole family. SPECIAL PACKAGE Every 2 adult tickets bought, you can get half price for a child. |
|-------------------------|-----------------|--|
| Age | Price of ticket | |
| Adult (16 and above) | RM28.90 | |
| Children | RM20.00 | |

Diagram 13

Encik Hamdan and his wife plan to bring his family for a holiday in the theme park. The following is the age of Encik Hamdan's children:

| Children | Age (Year) |
|----------|--------------|
| Halim | 18 |
| Hafeeza | 17 |
| Hadif | 16 |
| Hanum | 14 |
| Hakim | 9 |

(i) What is the total amount of money that Encik Hamdan needs to pay for his family to enter the theme park?

[2 marks]

- (ii) Encik Hamdan uses his credit card to make payment for his family holidays package. A tax of 6% is charged on the total amount in the bill.
How much does Encik Hamdan need to pay?

[3 marks]

CONTOH

14 Table 14 shows the percentage of types of books in a School Resource Centre. The percentage of Bahasa Melayu books is not shown

| Type of books | Percentage |
|---------------|------------|
| Bahasa Melayu | |
| Mathematics | 15% |
| Science | 20% |
| History | 35% |

Table 14

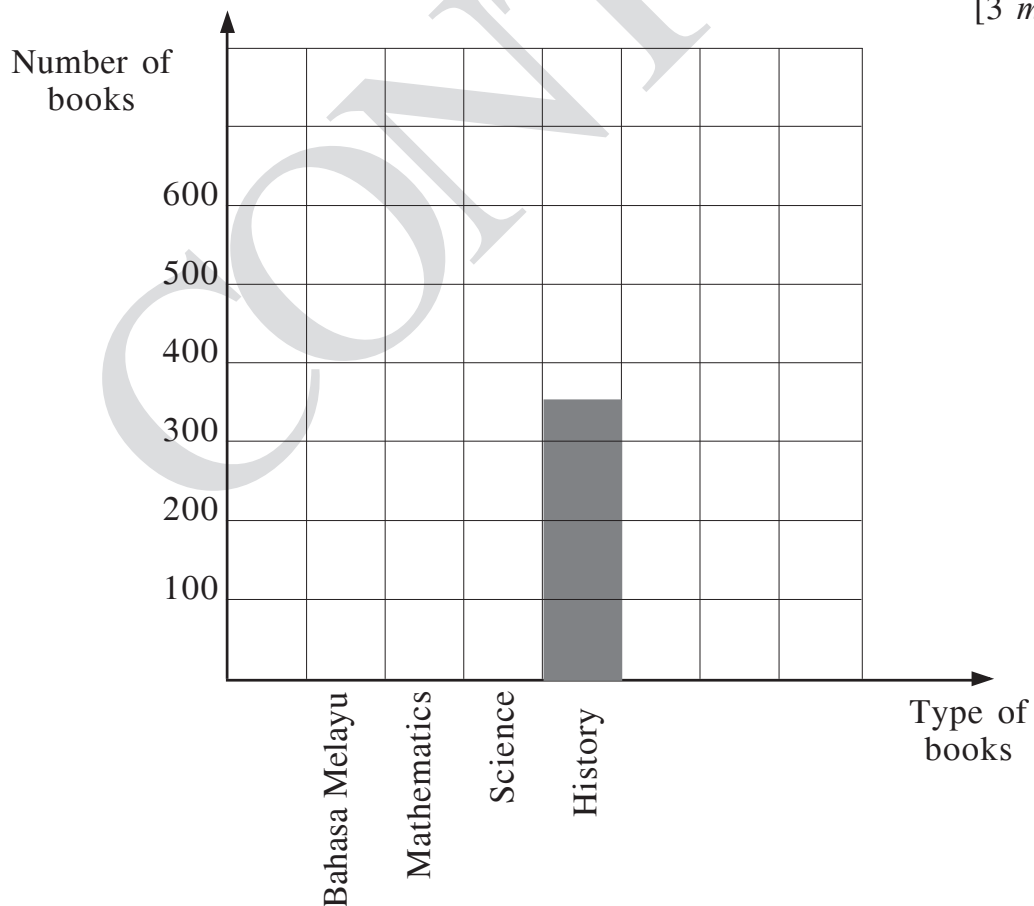
The total number of books in the Resources Centre is 1 000.

(i) Calculate the percentage of Bahasa Melayu books.

[2 marks]

(ii) Based on the information on table 14, complete the bar chart to show the amount of books according to its type in the School Resources Centre .

[3 marks]



15 Table 15 shows the number of seedlings of rose plants in a nursery.

| Flowers | Number of seedlings |
|-------------|---|
| Red rose | 40 |
| Yellow rose | $\frac{3}{4}$ of the number of red rose |
| Blue rose | 25 |

Table 15

Based on table 15:

- (i) Calculate the difference between the most and the least number of seedlings of rose plants.

[2 marks]

- (ii) The average cost allocated for each seedlings of rose plants is RM18.70 a month. At the end of the month, 15% of the red rose seedlings and 20% of the blue rose seedlings wilted .

Calculate the actual total cost to cultivate the seedlings of the rose plants.

[3 marks]

END OF QUESTION PAPER

