

SULIT



LEMBAGA PEPERIKSAAN
KEMENTERIAN PENDIDIKAN MALAYSIA

UJIAN PENCAPAIAN SEKOLAH RENDAH 20XX

MATEMATIK

015/1

Kertas 1

September

1 jam

Satu jam

JANGAN BUKA KERTAS SOALAN INI SEHINGGA DIBERITAHU

1. Kertas soalan ini mengandungi **40** soalan.
2. Jawab **semua** soalan.
3. Tiap-tiap soalan diikuti oleh empat pilihan jawapan, iaitu **A, B, C** dan **D**. Bagi setiap soalan, pilih **satu** jawapan sahaja. **Hitamkan** jawapan kamu pada kertas jawapan objektif yang disediakan.
4. Jika kamu hendak menukar jawapan, padamkan tanda yang telah dibuat. Kemudian **hitamkan** jawapan yang baru.
5. Rajah yang mengiringi soalan tidak dilukis mengikut skala kecuali dinyatakan.
6. Kamu boleh membuat kerja mengira di ruang kosong di dalam kertas soalan ini.

Kertas soalan ini mengandungi 27 halaman bercetak dan 1 halaman tidak bercetak.

- 1 Diagram 1 shows four number cards arranged in an ascending order. The number on card M is not shown.



Diagram 1

Which number is represented by M?

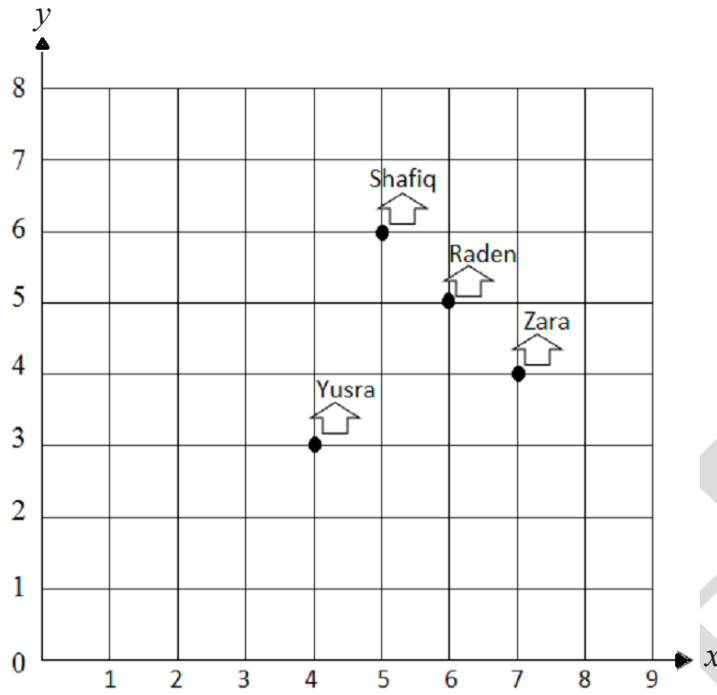
- A 45 287
 - B 47 532
 - C 48 903
 - D 49 561
- 2 Diagram 2 shows a number line.



What is the value of Y?

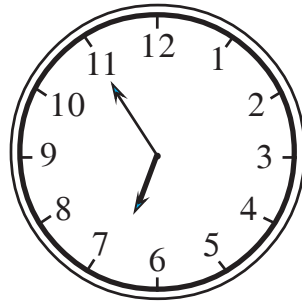
- A $\frac{8}{9}$
- B $\frac{7}{9}$
- C $\frac{5}{9}$
- D $\frac{4}{9}$

3 State the coordinates of Syafiq's house on Cartesian plane below.



- A (4, 3)
- B (6, 5)
- C (5, 6)
- D (7, 4)

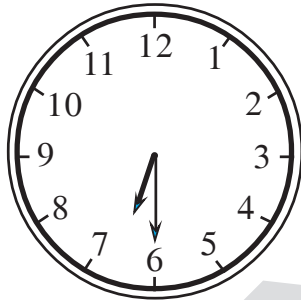
4 Diagram 3 shows the time in a morning.



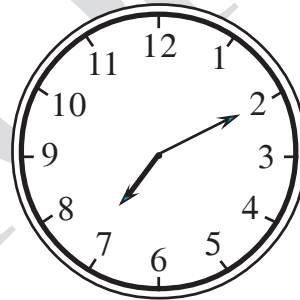
Rajah 3

Which clock face shows 25 minutes after the time shown in diagram 3?

A



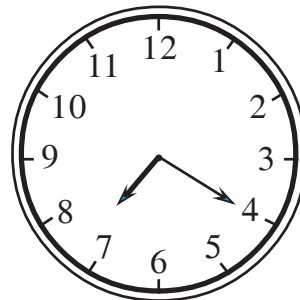
B



C



D



- 5 $15 \cdot 3 \text{ kg} =$
- A 153 g
 - B 1 530 g
 - C 15 300 g
 - D 153 000 g

- 6 The following are the characteristics of a solid.

- 8 vertices
- 12 edges
- 6 rectangular surfaces

Name the solid.

- A Cube
 - B Cuboid
 - C Pyramid
 - D Cylinder
- 7 Diagram 4 shows Kamal's age and his mother's age.



4 years old



36 years old

Diagram 4

What is the ratio of Kamal's age to his mother's age?

- A 1:9
- B 9:1
- C 1:10
- D 10:1

8 $2\frac{1}{2} \div \frac{3}{4} =$

A $1\frac{7}{8}$

B $2\frac{2}{3}$

C $2\frac{3}{8}$

D $3\frac{1}{3}$

9 $5\cdot46 + 7 + 4\cdot9 =$

A 6·02

B 10·43

C 11·06

D 17·36

10 $\div (183 - 168) = 9$

What number must be written in the ?

A 135

B 225

C 351

D 435

11 $0.042 \text{ million} \times 25 =$

- A 105 000
- B 150 000
- C 1 050 000
- D 1 500 000

12 $(\text{RM}245 \times 7) - (120 \text{ sen} \times 34) =$

- A RM130.70
- B RM166.70
- C RM1 307.20
- D RM1 674.20

13 $0.9 \text{ million} - \frac{3}{4} \text{ million} - 19 \text{ hundred} =$

- A 131 000
- B 148 100
- C 281 000
- D 298 100

14 $2.03 \times 7 =$

- A $14 \frac{21}{100}$
- B $14 \frac{91}{100}$
- C $14 \frac{21}{1\,000}$
- D $14 \frac{91}{1\,000}$

15 Which value is the smallest?

- A $90\% \times 36$
- B $60\% \times 56$
- C $30\% \times 120$
- D $25\% \times 140$

16 $1\frac{1}{2} + 2\frac{1}{3} - 1\frac{1}{4} =$

A $2\frac{5}{12}$

B $2\frac{7}{12}$

C $3\frac{5}{12}$

D $3\frac{7}{12}$

17 3 centuries 9 years + 19 decades 6 years =

A 5 decades 5 years

B 5 decades 50 years

C 5 centuries 5 years

D 5 centuries 50 years

18 58 km 67 m – 24 km 925 m =

A 33.142 km

B 33.745 km

C 34.142 km

D 34.745 km

19 $\frac{1}{2}$ kg + 3.6 kg + 700 g =

A 480 g

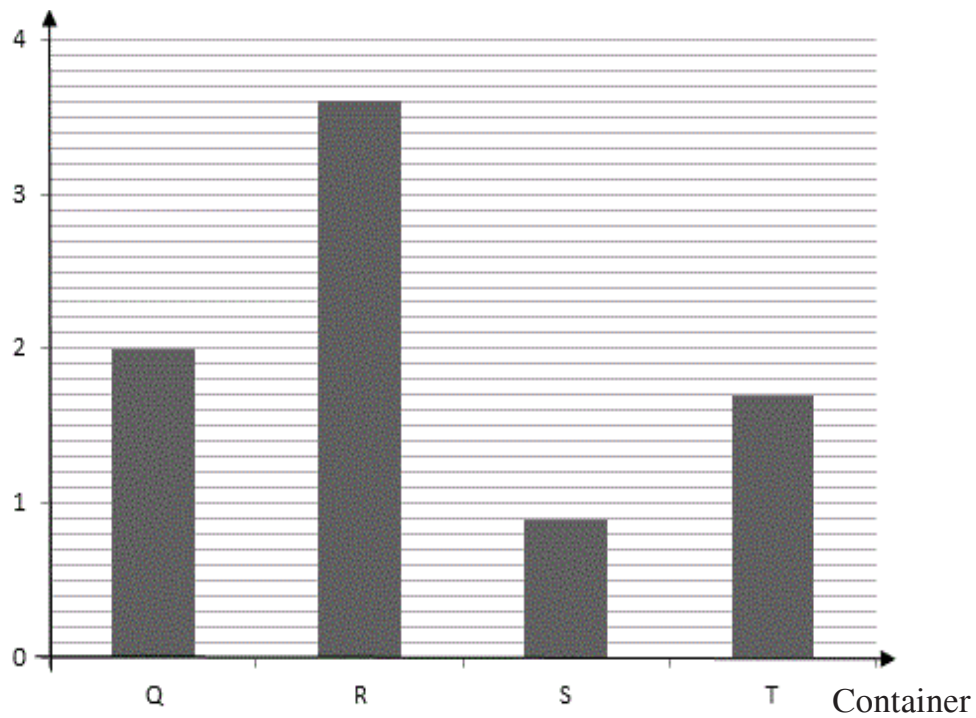
B 4 800 g

C 48 000 g

D 480 000 g

20 Bar chart shows the volume of water in containers Q, R, S and T.

Volume of water (ℓ)



Calculate the mean of the volume of water, in $m\ell$, in each container.

- A 2 005
- B 2 050
- C 2 500
- D 2 505

- 21 Table 1 shows the marks of three pupils in a test. The marks for David and Amsyar are not shown.

Pupil	Mark
Rina	74
Rahimi	47
David	
Jefri	49
Amsyar	

Table 1

The total marks of Rina, Rahimi and Jefri is equal to the total marks of David and Amsyar. David and Amsyar have the same marks .

What is Amsyar's mark?

- A 34
- B 45
- C 56
- D 85

- 22 Aiman has 2 140 marbles. He gives 400 marbles to Johan. He distributes the remaining marbles equally into 6 containers.

How many marbles are there in 2 containers?

- A 580
- B 435
- C 290
- D 145

- 23 Diagram 5 shows the total mass of some mangoes in a basket.

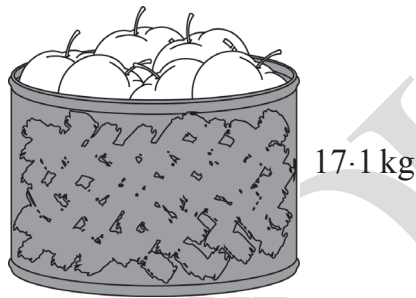


Diagram 5

The mean of the mass of a mango is 1 kg.

Which of the following, is the possible number of mangoes in the basket?

- A Between 10 to 12
- B Between 13 to 15
- C Between 16 to 19
- D Between 20 to 22

24 Diagram 6 shows the prices of three items bought by Haziq.


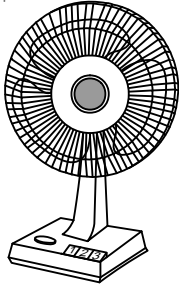
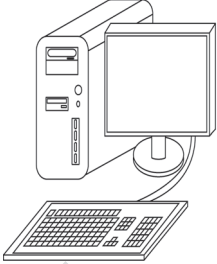
		
RM560	$\frac{1}{4}$ of the price of a radio	3 times the price of a radio

Diagram 6

Haziq had RM2 500.

Calculate the balance of his money.

- A RM120
- B RM140
- C RM168
- D RM238

- 25 Diagram 7 shows the time Ellyn starts her journey from Ipoh to Seremban in a morning.

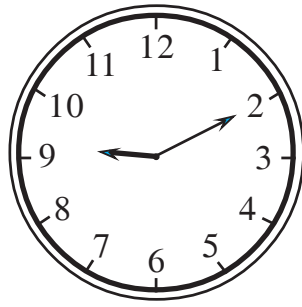


Diagram 7

The non-stop journey usually takes 4 hours 35 minutes. However, Ellyn stops to rest for 15 minutes during this journey.

At what time does Ellyn reach Seremban?

- A 0200 hours
- B 1400 hours
- C 0130 hours
- D 1330 hours

26 Diagram 8 shows the price of a bottle of guava juice and a bottle of tamarind juice.

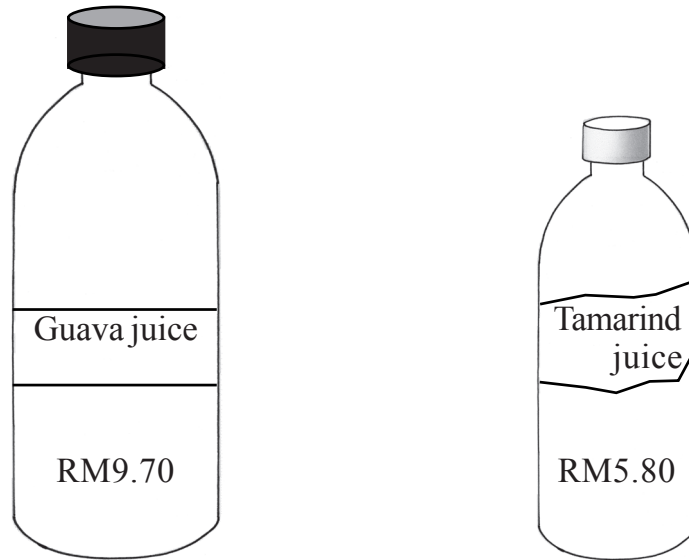


Diagram 8

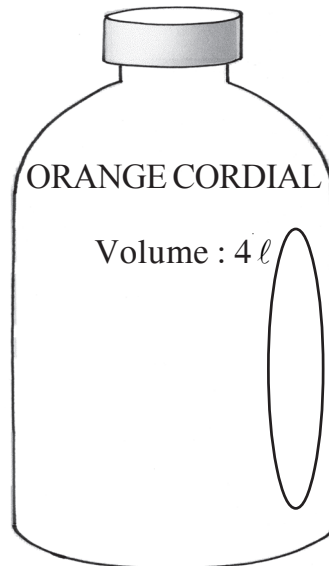
Which of the following items can Salmah buy with RM35.00 and receive the least balance?

	Guave juice	Tamarind juice
A	3	1
B	1	4
C	2	2
D	2	3

- 27 The following is the rate of orange cordial used to prepare orange flavoured drinks.

Each 0.5ℓ of orange cordial can prepare 10ℓ of orange flavoured drinks.

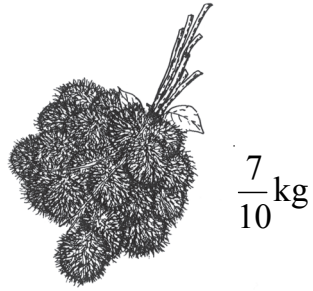
Siti uses 3 bottles of orange cordial as shown below to prepare some orange flavoured drinks.



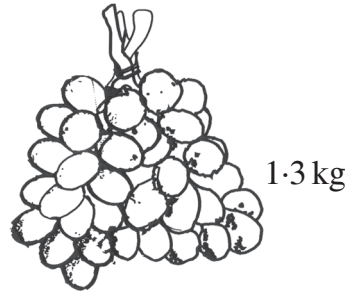
Calculate the volume, in ℓ , of orange flavoured drinks that can be prepared by Siti.

- A 12
- B 24
- C 120
- D 240

28 Diagram 9 shows the masses of two types of fruits.



1 bundle of rambutans



1 bundle of langsat

Diagram 9

Calculate the total mass, in kg, of 4 similar bundles of rambutans and 7 similar bundles of langsat.

- A 2.8
- B 8.4
- C 9.1
- D 11.9

- 29 Diagram 10 shows an empty container. The container can be filled up with 5 ℓ of water.

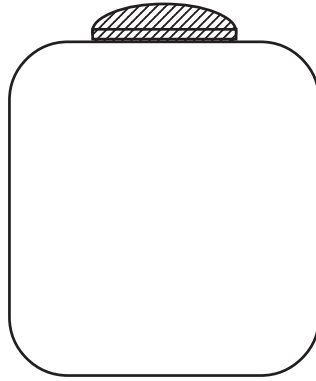


Diagram 10

David and Maria pour 10% and 20% of the volume of the container with water respectively.

What is the volume, in ml, of water needed to fill up the container?

- A 500
- B 1 000
- C 1 500
- D 3 500

30 Diagram 11 shows a composite shape of cuboid R and cube S.

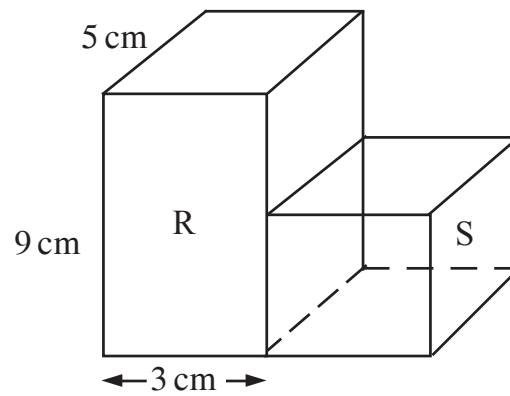


Diagram 11

Calculate the volume, in cm^3 , of the whole diagram.

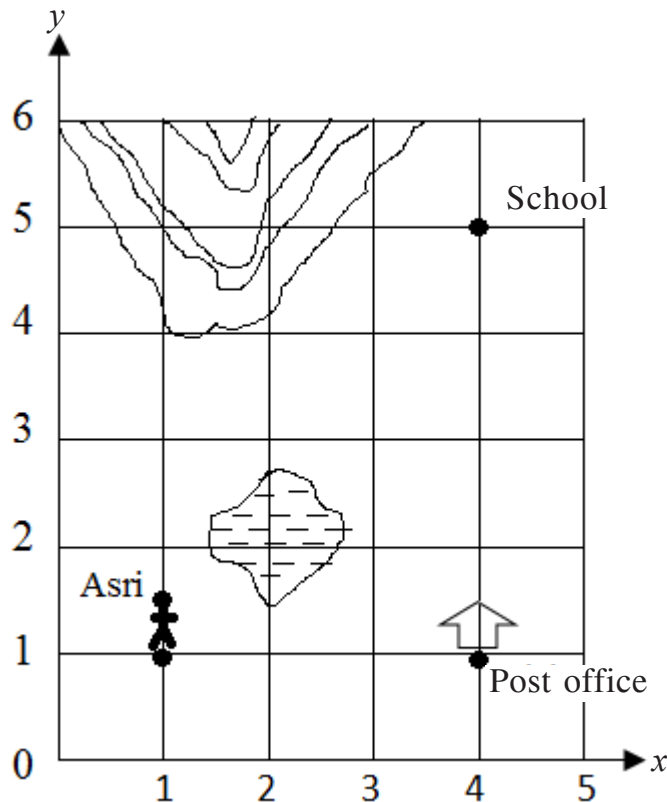
- A 125
- B 135
- C 260
- D 360

- 31 Zain's height is 173 cm. His height is 35 cm taller than his brother's height. Their total height is 145 cm more than their mother's height.

What is the height of their mother?

- A 138 cm
- B 166 cm
- C 176 cm
- D 180 cm

- 32 Diagram shows the position of Asri on a Cartesian plane.



Scale: 1 unit represents 2 km

Asri goes to school via post office.

Calculate the distance, in km, of Asri's journey to school.

- A 5
- B 7
- C 10
- D 14

33 Table 2 shows the masses of three pupils.

Pupils	Mass
Ravi	38 kg 650 g
Syamil	40 kg 400 g
Wong	39 kg 450 g



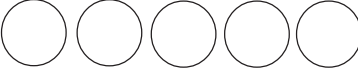
Table 2

The mass of Shahrol is $\frac{1}{3}$ of the total mass of the three pupils.

What is the mass, in kg, of Shahrol?

- A 39.50
- B 39.46
- C 39.16
- D 39.05

- 34 Pictograph shows the sales of nasi lemak for three days. The sales on Friday is not shown.

Tuesday	
Wednesday	
Thursday	
Friday	

 represents 30 packets of nasi lemak

The number of packets of nasi lemak sold on Friday is 25% of the total sales of the three days.

Find the difference between the number of packets of nasi lemak sold on Tuesday and Friday.

- A 30
- B 90
- C 120
- D 150

35 Diagram 12 shows a composite shape of a square and a right-angled triangle.

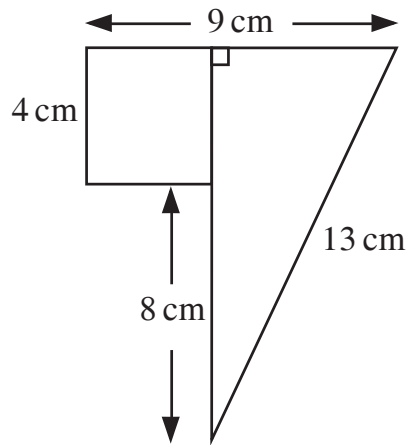
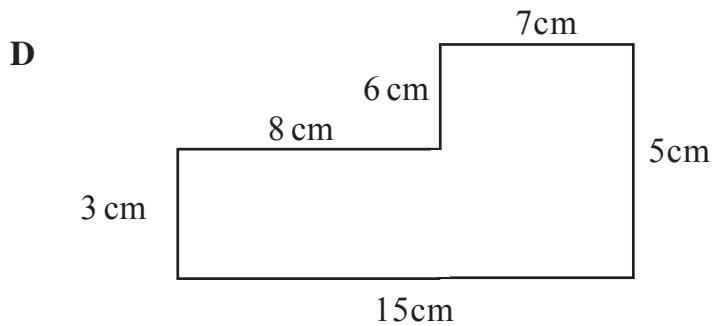
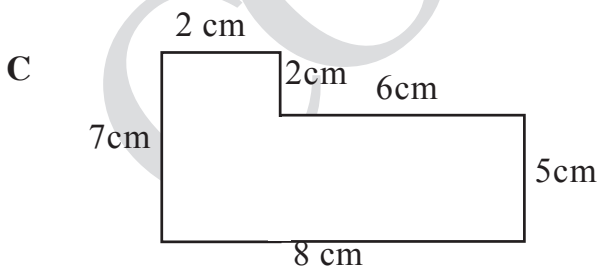
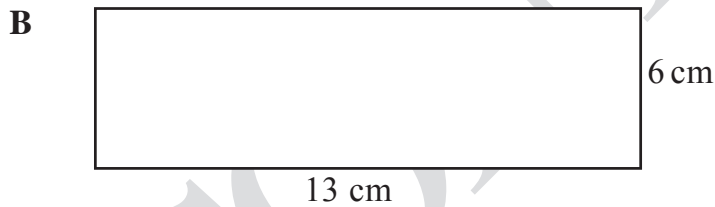


Diagram 12

Which of the following has the same perimeter as Diagram 12?



36 Diagram 13 shows a white squared card which is divided in several equal parts.

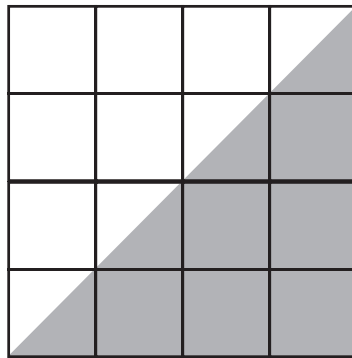


Diagram 13

Adila colours red on the shaded region. She colours $\frac{1}{4}$ of the unshaded region with yellow.

State the fraction of the parts which are still in white of the whole diagram.

A $\frac{1}{6}$

B $\frac{1}{4}$

C $\frac{3}{8}$

D $\frac{3}{4}$

37 Diagram 14 shows a composite shape of two cuboids of the same size.

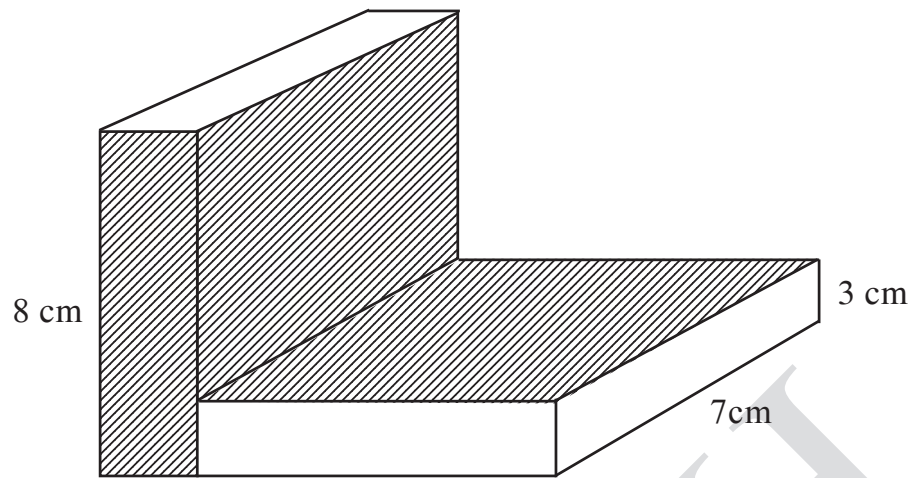


Diagram 14

Calculate the total surface area, in cm^2 , of the shaded region.

- A 106
- B 115
- C 123
- D 136

38 Table 3 shows the sales of similar T-shirts in four days.

Day	Total T-shirts
Wednesday	18
Thursday	17
Friday	29
Saturday	32

Table 3

The total sale of T-shirt for four days is RM652.80.

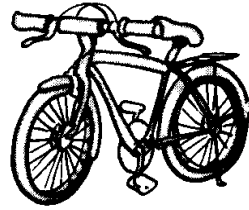
Calculate the price of a T-shirt.

- A RM6.40
- B RM6.80
- C RM7.40
- D RM8.80

39 Diagram 15 shows the prices of a pair of shoes and a bicycle.



RM120



RM700

Diagram 15

Samuel has RM680. He uses all his money to buy the two items. The seller only gives a discount for the bicycle.

Calculate the percentage of discount given for the bicycle.

- A 10
- B 20
- C 25
- D 30

40 Diagram 16 shows two containers, M and N, filled with water.

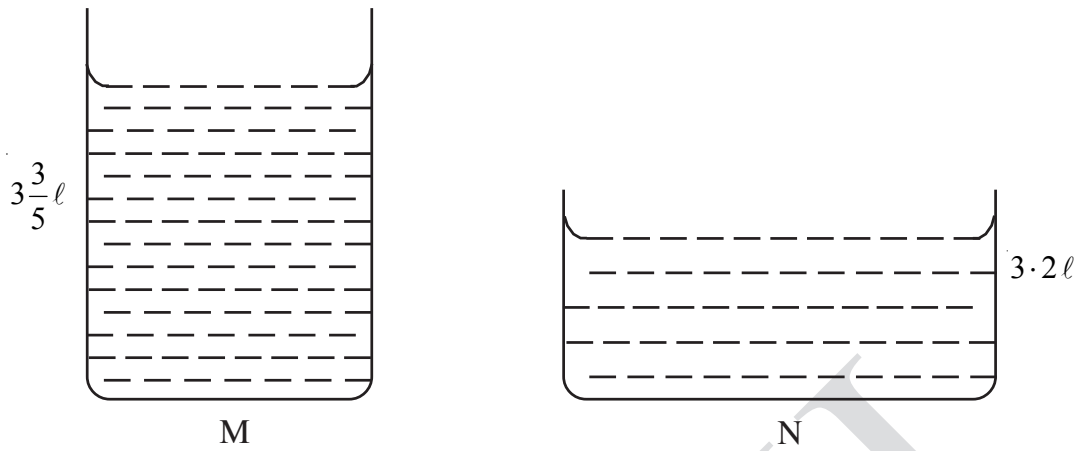


Diagram 16

The total volume of water in container M and N is poured equally into 8 bottles. What is the volume, in $\text{m}\ell$, of water in each bottle?

- A 400
- B 500
- C 800
- D 850

END OF QUESTION PAPER

