Top Students are created, not born

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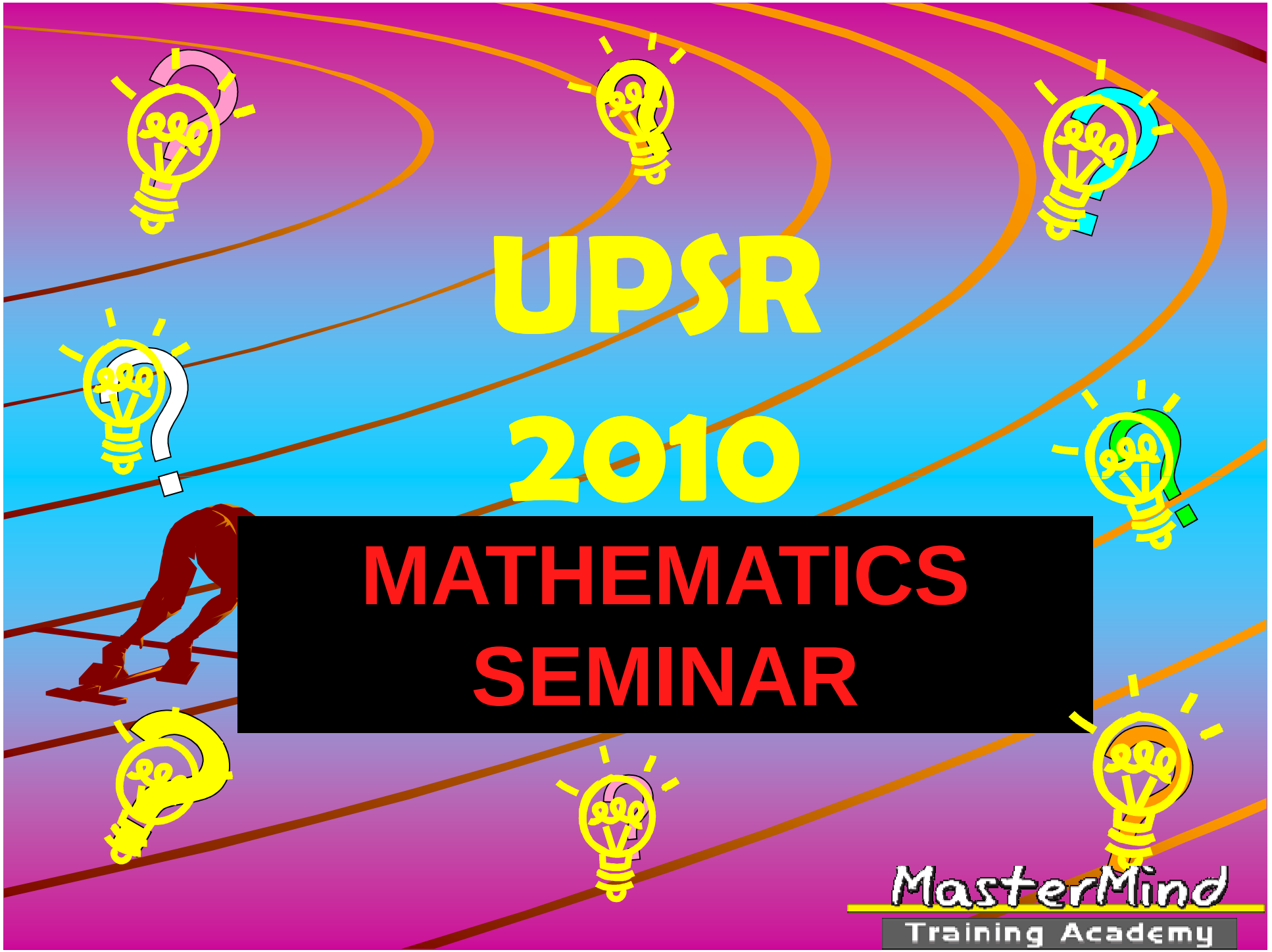
UPSR
2010
MATHEMATICS
SEMINAR
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UPSR

MATHS

Paper1

40 objectives

1 hour

Paper 2

20 subjectives

40 minutes

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Forecast Year 2010
UPSR Math

BAB	2001		2002		2003		2004		2005		2006		2007		2010	
	K1	K2	K1	K2	K1	K2	K1	K2	K1	K2	K1	K2	K1	K2	P1	P2
Nombor Bulat	2	2	2	2	3	2	3	2	2	1	1	1	2	1	2	1
Penambahan	–	1	–	–	–	–	1	1	–	–	–	–	–	–	-	-
Penolakan	–	–	–	1	–	1	–	–	–	–	1	–	–	–	-	-
Pendaraban	1	–	–	1	–	1	–	–	1	–	2	–	–	1	1	-
Pembahagian	–	1	1	1	1	–	1	–	1	–	–	–	1	–	1	-
Operasi Bergabung	2	1	3	2	3	1	2	2	2	1	1	2	2	2	2	2
Pecahan	5	2	4	2	4	3	4	2	2	3	4	2	4	2	4	2
Perpuluhan	5	2	4	2	2	1	3	1	4	1	3	1	3	2	3	2
Wang	5	1	4	2	3	2	4	3	4	2	4	1	5	2	5	1
Peratus	3	1	3	1	1	1	2	1	4	2	4	3	1	1	3	1
Masa dan Waktu	2	3	4	1	4	1	4	1	3	2	3	2	3	3	3	3
Ukuran Panjang	1	1	3	1	4	1	4	–	2	–	1	1	2	1	1	1
Timbangan Berat	1	1	3	1	3	2	2	2	2	3	2	2	3	–	2	1
Isi Padu Cecair	2	1	2	1	2	1	3	1	2	1	4	–	3	2	3	1
Ruang (Bentuk Dua Matra)	6	2	4	2	5	2	4	2	6	3	3	2	2	1	5	3
Ruang (Bentuk Tiga Matra)											2	1	3	1		
Purata	2	1	1	–	1	1	2	2	3	1	2	2	4	1	3	2
Perwakilan Data	3	–	2	–	4	–	2	–	2	–	3		2		2	
Jumlah	40	20	40	20	40	20	40	20	40	20	40					

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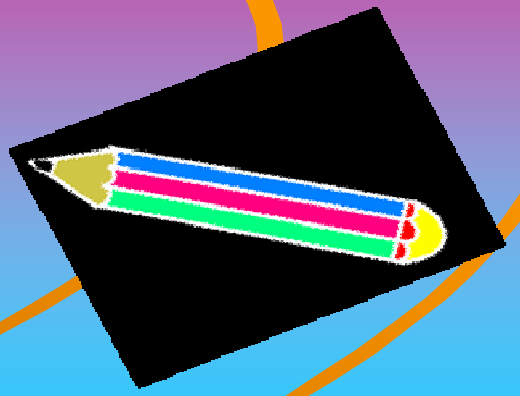
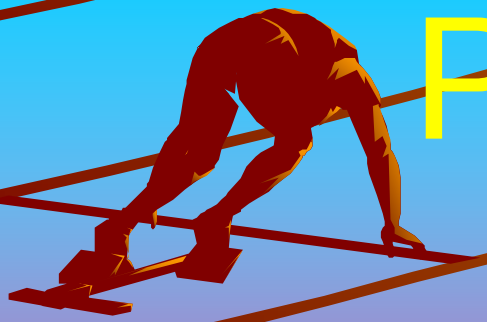
Are you well prepared?



1. HOT TOPICS

2. PRACTISE,



PRACTISE

PRACTISE,

3. kNOW IMPORTANT

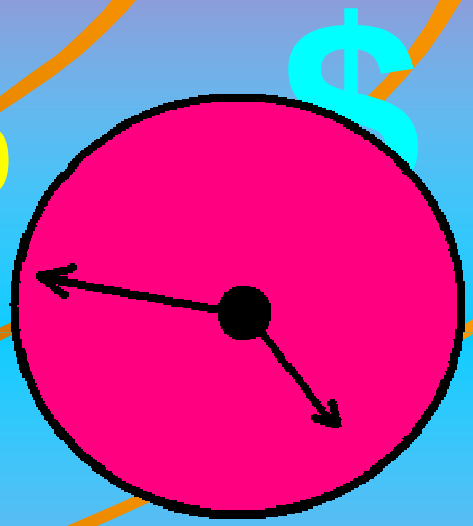
TIPS

FAMOUS TOPICS

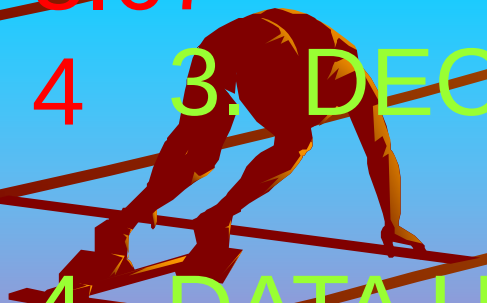
32.8
67

1. FRACTIONS

2. MONEY 9.20
3



8.67
4



3. DECIMALS

543.
99

4. DATA HANDLING

5. TIME

A MUST-HAVE QUESTION IN PAPER 1

6

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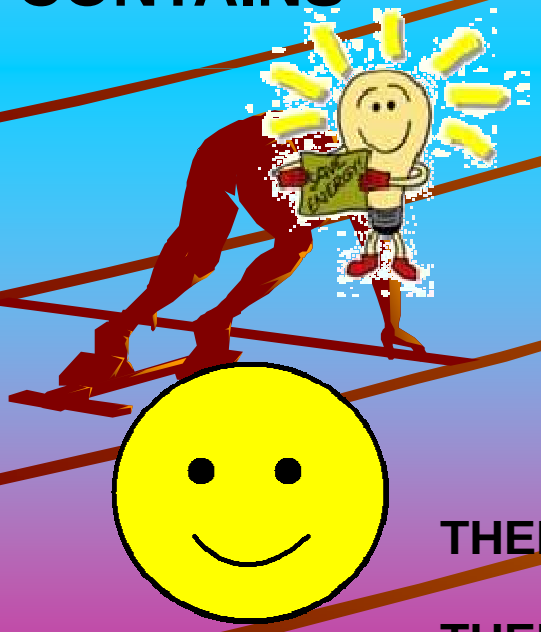
TIPS

WHOLE NUMBERS

WE ALL KNOW THAT ONE MILLION IS A BIG NUMBER

BUT IN EXAM, MANY OF YOU FORGET HOW MANY DIGIT IT CONTAINS



JUST REMEMBER THIS:

MILLION

1000000

THERE ARE 7 LETTERS IN THE WORD MILLION,

THEREFORE; THERE ARE 7 DIGITS IN A MILLION!

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TIPS

FACT

50% OF UPSR QUESTIONS ARE SET BASED ON DIAGRAMS

PRACTISE MORE QUESTIONS WITH DIAGRAMS

ALWAYS READ THE QUESTION FIRST TO LOOK FOR THE MAIN INFO BEFORE YOU READ THE DATA GIVEN IN THE DIAGRAM!

↗ALWAYS!!!

The Most Important Info!!

20 students attended a UPSR seminar.

How many students fell asleep

during the seminar?

80%

Paying attention

15% Trying to pay a

5% Fell asleep

Students that fell asleep

$= \frac{5}{10} \times 20$ stu

$= 0$ stu

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TIPS

FOR QUESTIONS THAT INVOLVE UNITS LIKE g, kg, cm, mm, m, km, minutes, hours etc;

ALWAYS CHANGE THE UNITS FIRST AS REQUIRED BY THE QUESTION.

The cupid in the diagram weighs 24kg.

Its bow and arrow is $\frac{1}{4}$ times the cupid.

Find the total mass of both the cupid

and the bow and arrow, in g.

1st step : Change 24 kg into 24000 g

Therefore; **Cupid = 24000 g**

2nd step : Find the mass of bow & arrow

Bow & arrow = ¼ x 24000 g

6000 g

Total = 24000 g + 6000 g
= 30000 g

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TIPS

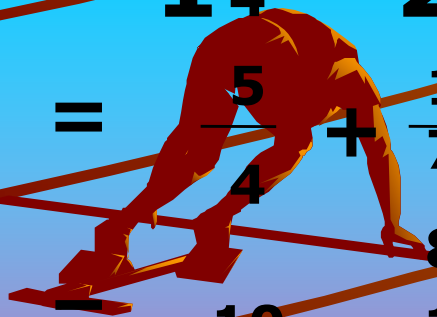
Always change mixed numbers into improper fractions before you proceed to calculate them to avoid making mistakes.

$$1\frac{1}{4} + 2\frac{1}{8} + 1\frac{1}{2}$$

$$= \frac{5}{4} + \frac{17}{8} + \frac{3}{2}$$

$$= \frac{10}{8} + \frac{17}{8} + \frac{12}{8}$$

$$= \frac{39}{8} \text{ or } 4\frac{7}{8}$$



Even though the fractions can added easily, but you might make mistakes if you don't change them into improper fractions!

✓ SAFE

✓ CORRECT

✓ EFFECTIVE

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UPSR 2008 FORECAST

MATHEMATICS

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PAPER 1 **Time: One hour**

This paper consists of **40** *questions. Answer* **all** *the questions. Each question is followed by four options,* **A**, **B**, **C** *and* **D**. *For each question, choose only* **one** *answer.*

1 Which of the following represents $4\frac{3}{5}$ million?

A 4 035 000
B 4 060 000
C 4 350 000
D 4 600 000

2 $6\frac{3}{10} - 4\frac{6}{100} =$

A 2.24
B 1.7
C 0.7
D 0.24

3 Calculate 62 × 75 sen. Round off the answer to the nearest ten ringgit.

A RM40
B RM46
C RM48
D RM50

4 Diagram 1 shows two number cards.

42 145	807 549

Diagram 1

Calculate the difference in value between the two underlined digits.

A 799 000
B 798 000
C 78 000
D 72 000

5 All the following solids have curved faces **except**

A a pyramid
B a sphere
C a cone
D a cylinder

6 The volume of a bottle of orange juice is 3.5 ℓ. Kar Meng drinks $\frac{1}{5}$ of it. His two friends drink 250 mℓ of the orange juice each. The volume, in mℓ, of the remaining orange juice is

A 1 200
B 1 300
C 2 300
D 2 500

7 1 587 + 69 × 3 =

A 4 968
B 1 794
C 1 194
D 794

8 Convert 1.2 to a mixed number.

A $1\frac{1}{2}$
B $1\frac{1}{3}$
C $1\frac{1}{4}$
D $1\frac{1}{5}$

9 $4\frac{1}{4} + 5\frac{1}{5} =$

A $8\frac{3}{20}$
B $8\frac{9}{20}$
C $9\frac{9}{20}$
D $9\frac{11}{20}$

10 Diagram 2 shows a number line.

Diagram 2

The value of *Y* is

A 0.12
B 0.125
C 0.14
D 0.15

11 $\frac{4}{9} \times 234 =$

A 26
B 84
C 104
D 124

12 300 000 + 2.4 million =

A 2.34 million
B 2.43 million
C 2.7 million
D 5.4 million

13 Calculate $\frac{9}{10} + \frac{4}{5}$. Give the answer in percent.

A 170%
B 130%
C 90%
D 28%

14 Diagram 3 shows three number cards.

P	Q	32

Diagram 3

The average of the three numbers is 28 and the values of *P* and *Q* are equal. Which of the following are the correct steps to find the value of *P*?

A Add 28 and 32. Then, divide the sum by 2.
B Subtract 28 from 32.
C Subtract 32 from the product of 28 and 3. Then, divide the difference by 2.
D Multiply 28 by 3. Then, divide the product by 2.

15 Normally, Azman's school bus reaches his house at 7 : 05 a.m. One day, the school bus was $\frac{1}{6}$ hour late. It reached his house at

A 0710 hours
B 0715 hours
C 1915 hours
D 1930 hours

16 Syaril has RM50. After he buys 6 bottles of a drink, he has RM39.50 left. Find the price of each bottle of drink.

A RM1.65
B RM1.75
C RM10.50
D RM31.50

17 Diagram 4 shows a bag of wheat flour bought by Mrs Lee.

Diagram 4

She repacked the wheat flour in equal amounts into 20 small packets. The mass, in g, of each packet of wheat flour is

A 1.2
B 1.4
C 1 400
D 1 500

18 Diagram 5 shows a cuboid.

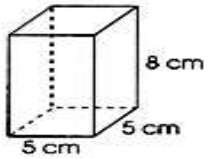

Diagram 5

The height of the cuboid is reduced to form a cube. The difference in volume, in cm^3, between the cuboid and the cube is

A 3
B 27
C 75
D 175

19

Teacher	: State a similarity between a cube and a cuboid.
Eddie	: Both have 12 edges.
Fuad	: Both have 6 faces of the same size.
Gary	: Both have 8 vertices.
Helen	: Both have no curved faces.

Based on the above conversation, who gave the correct answer?

A Only Eddie and Fuad.
B Only Eddie and Gary.
C Only Eddie, Fuad and Gary.
D Only Eddie, Gary and Helen.

20 Diagram 6 is a pictograph showing the number of pupils who attended a quiz competition. The number of pupils from school *S* is not shown.

School *P*	🧍 🧍 🧍
School *Q*	🧍 🧍
School *R*	🧍
School *S*	

🧍 represents 20 pupils

Diagram 6

If the average number of pupils from each school is 50, find the number of pupils from school *S*.

A 4
B 40
C 80
D 100

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21 The difference in age between Molly and her younger brother is 34 months. If her younger brother is 16 years old, find Molly's age.

A 13 years 2 months
B 15 years 4 months
C 18 years 10 months
D 50 years

22 Zaidi drove from home to a town which is 40 km away from his house. His car broke down after travelling 16% of the journey. How far was he from his destination?

A 6.4 km
B 64 km
C 3 360 m
D 33 600 m

23 Diagram 7 shows three pieces of rope.

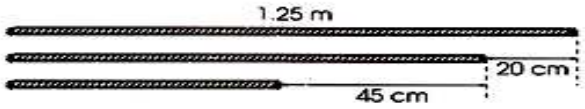

Diagram 7

The total length, in m, of the three pieces of rope is

A 1.9
B 2.9
C 3.1
D 6.625

24 $\frac{3}{4}$ hour before 0115 hours is

A 12 : 30 a.m.
B 12 : 30 p.m.
C 11 : 30 a.m.
D 11 : 30 p.m.

25 Table 1 shows the lengths of four ribbons.

Ribbon	Length
K	306 mm
L	30.6 cm
M	30 cm 6 mm
N	3.6 cm

Table 1

The ribbons with the same length are

A *K* and *L* only.
B *K* and *M* only.
C *M* and *N* only.
D *K*, *L* and *M* only.

26 Norida bought 5 kg of rice. $\frac{1}{4}$ of the rice was used and the rest was packed into 15 packets of equal mass. What is the mass, in g, of each packet of rice?

A 0.25
B 3.75
C 250
D 375

27 Table 2 shows the number of oranges in boxes *P*, *Q* and *R*.

Box	*P*	*Q*	*R*
Number of oranges	51	84	65

Table 2

Calculate the number of oranges to be taken out so that the average number of oranges in each box is 61.

A 37
B 27
C 17
D 10

28 The price of a bottle of apple juice is RM2.50. For each purchase of 8 bottles of the apple juice, a discount of RM1.50 is given. Mr Gan buys 45 bottles of the apple juice. The total amount that he has to pay is

A RM112.50
B RM111
C RM105
D RM100

29 Diagram 8 is a pie chart showing the grades obtained by 40 pupils.

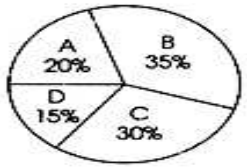

Diagram 8

Calculate the total number of pupils who scored grade A and grade B.

A 12
B 14
C 18
D 22

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30 A bus left Melaka at 10 : 05 p.m. for Pulau Pinang. Usually the journey took $7\frac{3}{4}$ hours but the bus reached Pulau Pinang 15 minutes earlier on the next day. At what time did the bus reach Pulau Pinang?

A 5 : 35 a.m.
B 5 : 50 a.m.
C 6 : 05 a.m.
D 6 : 35 a.m.

31 The bar graph in Diagram 9 shows the hobbies of a group of pupils.

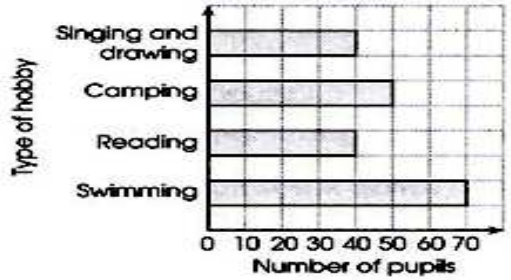

Diagram 9

The number of pupils who like singing is $\frac{1}{4}$ of the total number of pupils who like swimming and camping. The number of pupils who like drawing is

A 10
B 20
C 30
D 40

32 In Diagram 10, *PQRV* and *RSTU* are squares.

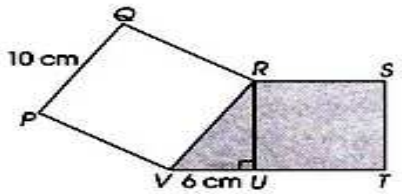

Diagram 10

The perimeter of the whole diagram is 60 cm. Find the perimeter, in cm, of the shaded region.

A 30
B 34
C 40
D 48

33 Diagram 11 shows a question on a flash card.

27.96 × 99 =

Diagram 11

Which of the following is the best estimated answer to the question?

A 2 401 to 2 600
B 2 601 to 2 800
C 2 801 to 3 000
D 3 001 to 3 200

34 Diagram 12 shows a combined shape which consists of a rectangle, a right-angled triangle and a square.

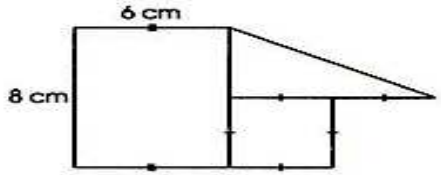

Diagram 12

Calculate the area, in cm^2, of the combined shape.

A 66
B 74
C 80
D 96

35 Diagram 13 shows a combined solid consisting of two cuboids, *P* and *Q*, and a cube *R*.

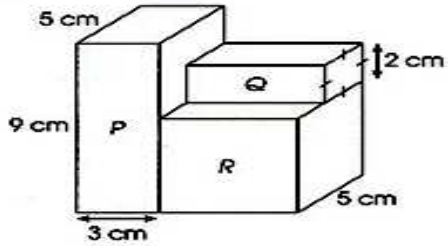

Diagram 13

Calculate the total surface area, in cm^2, of the combined solid.

A 294
B 298
C 319
D 323

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36 Diagram 14 shows the selling price of a type of apples.

Diagram 14

Mr Loo buys some apples and pays with two RM10 notes. The change he receives is RM8.75. How many apples does he buy?

A 20
B 16
C 15
D 10

37 Diagram 15 shows a combined solid consisting of two identical cubes and a cuboid.

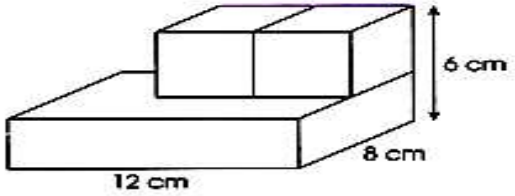

Diagram 15

The volume of one of the cubes is 64 cm^3. Calculate the total volume, in cm^3, of the combined solid.

A 192
B 224
C 256
D 320

38 Suplan's salary is RM2 200. He uses 8% of his salary to pay his telephone bill. Then, he uses 5% of the remaining salary to buy two shirts of the same price. Each shirt costs

A RM101.20
B RM88.00
C RM50.60
D RM25.30

Answer **Questions 39 and 40** *based on the pie chart below.*

The pie chart in Diagram 16 shows the number of members of 100 families.

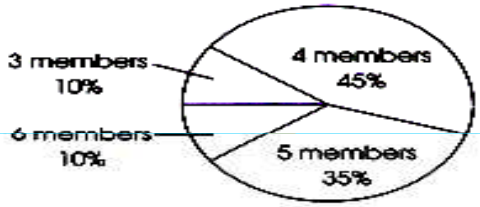

Diagram 16

39 What is the mode?

A 4 members
B 5 members
C 45%
D 35%

40 Calculate the mean number of members in each family.

A 4.35 members
B 4.4 members
C 4.45 members
D 4.5 members

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PAPER 2 **Time: Forty minutes**

This paper consists of **20** *questions. Answer* **all** *the questions. Write your answers in the spaces provided in this paper.* **Show your working.** *It may help you to get marks.*

1

1 Round off 67 583 to the nearest ten thousand. *(1 mark)*

2

2 $429 \times 33 =$ *(1 mark)*

3

3 $(327 + 48) \div 15 =$ *(1 mark)*

4

4 Convert $3\frac{5}{1\,000}$ to a decimal. *(1 mark)*

5

5 $4\frac{1}{5} - 2\frac{3}{10} =$ *(2 marks)*

6

6 $10.3 - 2.704 =$ *(1 mark)*

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7

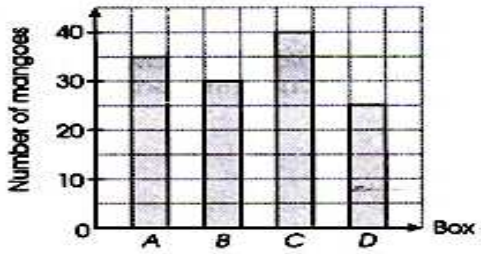

Diagram 1

Diagram 1 is a bar graph showing the number of mangoes in 4 boxes. A total of 39 mangoes in the boxes are rotten. Find the percentage of rotten mangoes in the 4 boxes. (2 *marks*)

7 [2]

---

8 Calculate 38.5 kg + 40 040 g. Give the answer in kg. (2 *marks*)

8 [2]

---

9 RM18 + RM3.40 + 85 sen = (2 *marks*)

9 [2]

10

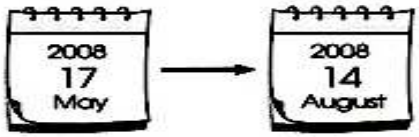

Diagram 2

Diagram 2 shows two dates. Calculate the duration, in months and days, between the two days. (3 *marks*)

10 [3]

---

11 Farid runs $2\frac{1}{2}$ km and Kamarul runs 780 m. Find the difference in distance, in m, run by both of them. (2 *marks*)

11 [2]

---

12 648 ÷ 6 × 5 = (2 *marks*)

12 [2]

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13

Diagram 3

Diagram 3 shows the selling price of a pair of shoes. If the original price of the shoes is RM60, what is the percentage discount given?

(2 *marks*)

13 ☐ 2

14

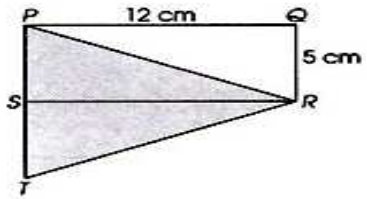

Diagram 4

Diagram 4 shows a rectangle *PQRS* and a triangle *SRT*. *PST* is a straight line. The length of *ST* is equal to the length of *QR*. Calculate the area, in cm^2, of the shaded region.

(3 *marks*)

14 ☐ 3

15

RM10	3
RM5	8
RM1	14

Table 1

Table 1 shows the number of pieces of each currency note. Find the total amount of the money.

(2 *marks*)

15 ☐ 2

16

Night

Diagram 5

Diagram 5 shows the time when Liza arrived at a concert. The concert already started $\frac{1}{3}$ hour earlier. At what time did the concert start? Give the answer in the 24-hour system.

(2 *marks*)

16 ☐ 2

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17 Container P and container Q contain 3.5 ℓ and 430 mℓ of water respectively. Half of the water in container P is poured into container Q. Calculate the new volume, in mℓ, of water in container Q. (3 *marks*)

17 ☐ 3

18

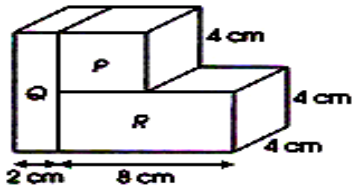

Diagram 6

Diagram 6 shows a solid consisting of a cube P and two cuboids, Q and R. Calculate the volume, in cm^3, of the solid. (2 *marks*)

18 ☐ 2

19

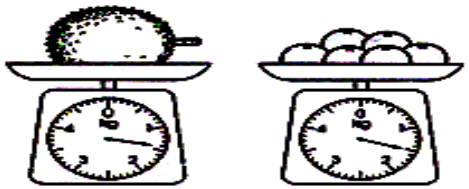

Diagram 7

Diagram 7 shows the masses of a durian and 6 oranges. All the oranges have the same mass. Calculate the difference in mass, in g, between the durian and an orange. (3 *marks*)

19 ☐ 3

20

Name	Height (m)
Ali	1.48
Banu	1.56
Chris	
Daud	

Table 2

The incomplete Table 2 shows the heights of four pupils. The average height of the four pupils is 1.57 m. Chris and Daud have the same height. Find Daud's height, in cm. (3 *marks*)

20 ☐ 3

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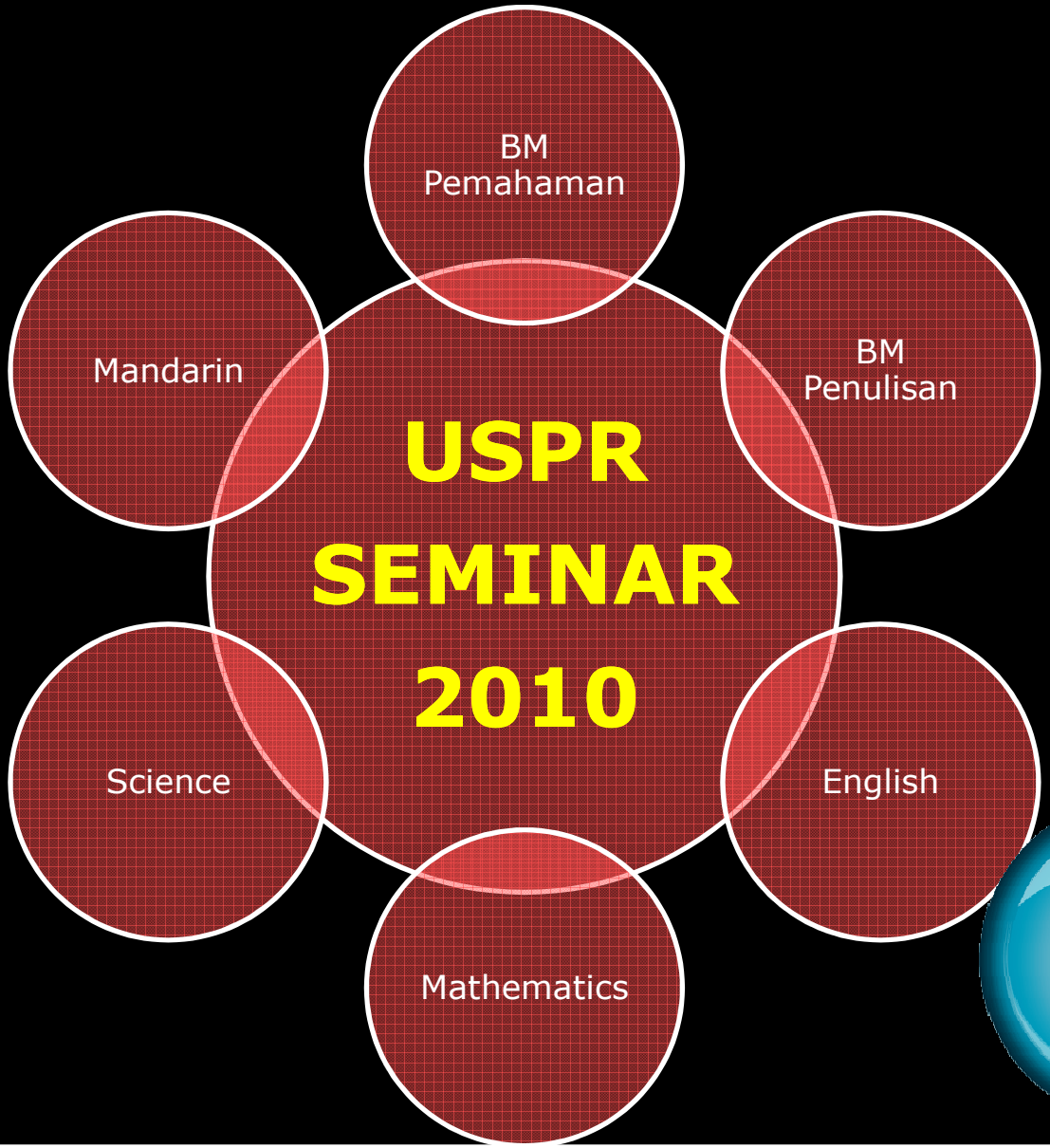

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