



PSLE Revision Paper 4

Mathematics

Total Time : 2 h 30 mins
Paper 1- Booklet A And Booklet B: 50 mins
Paper 2: 1 h 40 mins

INSTRUCTIONS TO CANDIDATES

Do not open this Booklet until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____

Class: _____

Date: _____

TOTAL SCORE

6. Which of the following has the greatest value?

- (1) $\frac{1}{2}$ of $\frac{3}{4}$ kg (2) $\frac{4}{5}$ of 2kg
(3) $\frac{2}{3}$ of 1kg (4) $\frac{5}{8}$ of 2kg

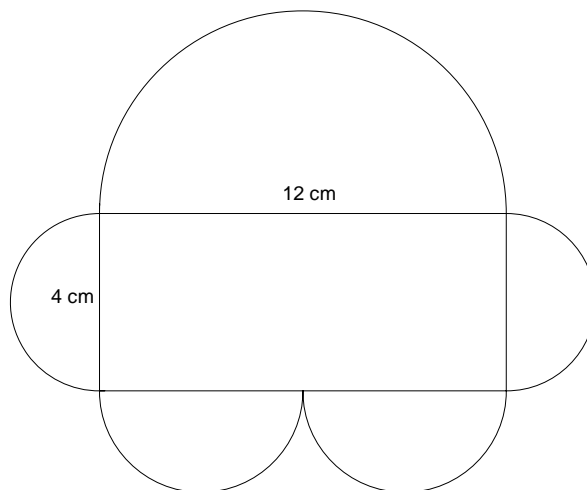
7. The scale on a map is 1 cm to every 1 km. If the actual distance between two towns is 800 m, find the distance on the map.

- (1) 0.8 cm (2) 8 cm
(3) 80 cm (4) 800 cm

8. There are 212 girls and 188 boys in a math workshop. How many percent more girls than boys are there?

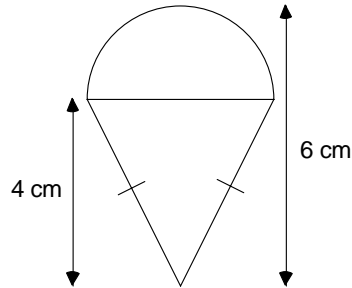
- (1) 6% (2) 12%
(3) 47% (4) 53%

9. The figure consists of a rectangle and 5 semi-circles. Find the perimeter of the figure in terms of π .



- (1) 12π cm (2) 16π cm
(3) $12\pi^2$ cm (4) $16\pi^2$ cm

10. Hannah cut out two dozen cards of the shape shown below to be used as gift tags. It is made up of 1 semi-circle and an isosceles triangle. Find the total area of the cards used by Hannah. (Take $\pi = 3.14$)

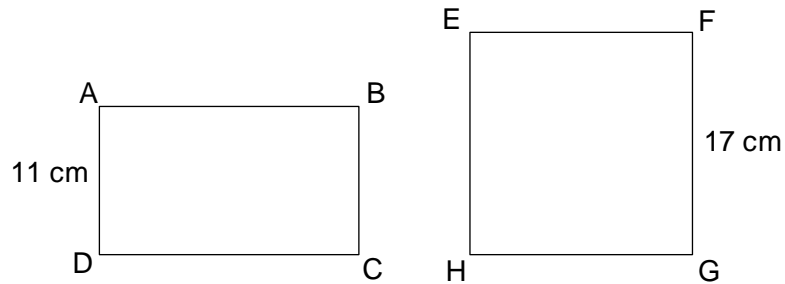


- (1) 14.28 cm^2 (2) 28.56 cm^2
 (3) 171.36 cm^2 (4) 342.72 cm^2
11. The ratio of the number of girls to the number of boys in a science club last year was 2:5. When 22 girls joined the club this year, the ratio became 3:2. Find the total number of pupils in the club this year.
- (1) 30 (2) 35
 (3) 50 (4) 55
12. The table below shows the mass of 4 girls. The 4 girls have an average mass of 44kg. What is Casey's mass?

Name	Mass (kg)
Alice	37
Belle	43
Casey	?
Diana	49

- (1) 45kg (2) 46kg
 (3) 47kg (4) 48kg
13. The number of stickers that Sally has is $\frac{3}{8}$ of the number of stickers that Molly has. The number of stickers that Molly has is $\frac{2}{3}$ of the number of stickers that Penny has. What is the number of stickers that Sally has as a fraction of the number of stickers that Penny has?
- (1) $\frac{1}{4}$ (2) $\frac{2}{3}$
 (3) $\frac{3}{4}$ (4) $1\frac{1}{4}$

14. Rectangle ABCD has the same perimeter as Square EFGH. Find the area of Rectangle ABCD.



- (1) 172 cm^2 (2) 190 cm^2
(3) 214 cm^2 (4) 253 cm^2

15. The height of an empty rectangular tank was 56 cm. When 98 litres of water was poured into the tank, it became $\frac{7}{8}$ filled. Find the length of the tank if the ratio of the breadth to the length of the tank is 5:16.

- (1) 34 cm (2) 68 cm
(3) 80 cm (4) 92 cm

Booklet B

Questions 16 to 25 carry 1 mark each. Show your working clearly and write your answers in the space provided. For questions which require units, give your answers in the units stated. Calculators cannot be used in this section.

(10 marks)

16. Find the average of $\frac{2}{3}$, $\frac{5}{8}$, $\frac{1}{2}$ and $\frac{3}{4}$.

Ans: _____

17. Find the value of $\frac{7a+6}{9} + \frac{9}{a}$ when $a = 3$.

Ans: _____

18. Mr Koh bought k pens and sold them at \$15 each. He earned \$92. What was the cost of each pen?

Ans: \$ _____

19. Emily brought her 3 children and 3 young nephews to an amusement park. The ticket prices are as shown below.

Adult	\$30.50 nett
Child	\$17.90 nett
For every 3 children, 1 child free	

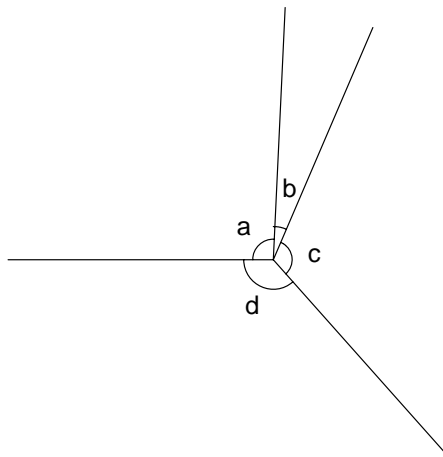
How much did she pay altogether?

Ans: \$ _____

20. Write down the fraction that is exactly between $\frac{4}{9}$ and $\frac{5}{9}$.

Ans: _____

21. $\angle b$ is $\frac{1}{5}$ of $\angle a$ and $\angle c$ is equal to the sum of angles a and b . Given that $\angle c$ and $\angle d$ are equal, find $\angle a$.

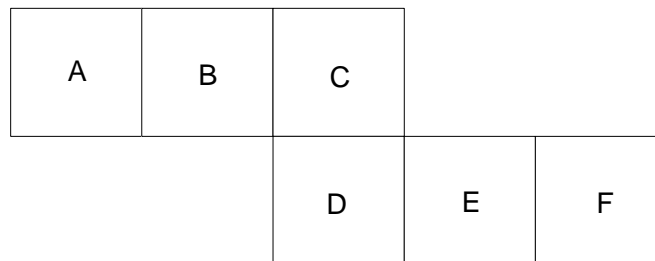


Ans: _____°

22. Peter is $1\frac{2}{5}$ times as heavy as Tom. What is the ratio of Tom's mass to Peter's mass?

Ans: _____

23. The figure below shows a nets of a cube. Which is the face that is directly opposite A?

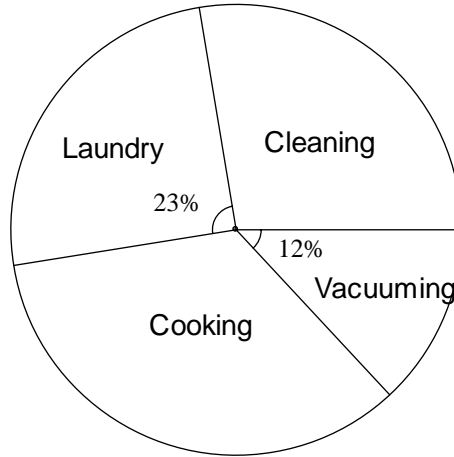


Ans: _____

24. If $3\frac{2}{3}$ dozen pens cost \$387.20, find the cost of 9 such pens.

Ans: \$ _____

25. Study the pie chart below and answer the following question.
The pie chart shows the amount of time Mrs Tan spends on each of the household activities each day.



If the time Mrs Tan spends on vacuuming is $\frac{1}{3}$ the amount of time spent on cooking, what percentage of Mrs Tan's time was spent on cleaning?

Ans: _____ %

Questions 26 to 30 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

26. Ahmad's age is $\frac{1}{3}$ of his father's. His father will be 46 years old in 7 years' time. How old will Ahmad be in 19 years' time?

Ans: _____

27. The table below shows the postage rates for sending parcels to Sunshine Town.

Weight step not over	Postage
20 g	\$0.30
50 g	\$0.50
100 g	\$0.80
Per additional 30 g	\$0.30

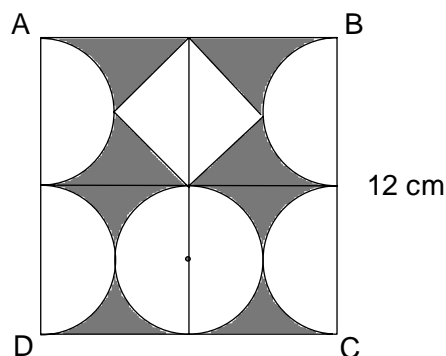
Find the postage for a parcel that weighs

- (a) 90 g
(b) 1.3 kg

Ans: (a) \$ _____

(b) \$ _____

28. Square ABCD is made up of 4 identical squares. If the length of BC is 12 cm, find the area of the shaded part of the figure. (Take $\pi = 3.14$)



Ans: _____ cm²

29. Clara has \$5p. Daisy has 4 times as much money as Clara. Elaine has \$7 more than Daisy. How much money do they have altogether?

Ans: \$ _____

30. There are a total of 548 pupils in a hall. $\frac{2}{5}$ of the girls are 24 less than $\frac{2}{3}$ of the boys. How many boys are there in the hall?

Ans: _____

PAPER 2 (1 h 40 mins)

Questions 1 to 5 carries 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

For questions which requires units, give your answers in the units stated.

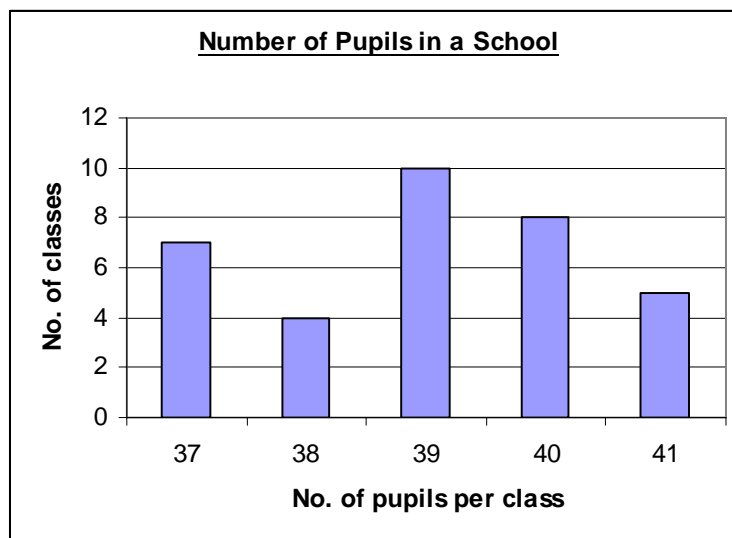
Calculators can be used in this section.

(60 marks)

1. At 9.30 am, Tim started driving towards Orchid Gardens at an average speed of 80 km/h. Jerry started driving 45 minutes later towards the same place at a constant speed from the same starting point as Tim. When Tim arrived at Orchid Gardens at 1.15 pm, Jerry had another 30 km left to travel to his destination. Calculate Jerry's average speed.

Ans: _____

The bar graph shows the number of pupils per class in a school. Study it carefully and use it to answer questions 2 to 4.



2. What is the total number of pupils in the school?

Ans: _____

3. What is the average number of pupils in each class?

Ans: _____

4. What percentage of the classes in the school had at least 39 pupils per class?
(Give your answer correct to the nearest whole number.)

Ans: _____

5. Study the pattern carefully. What is the missing number?

2	10	36	100	648	1000
5	12	50	216	500	?

Ans: _____

For question 6 to 18, show your working clearly in the space provided for each question and write your answers in the space provided. The number of marks available is shown in the brackets [] at the end of each question or part question.

6. In a quiz, there is a total of 60 questions. For every correct answer, 3 marks were awarded. $\frac{1}{2}$ mark was deducted for every wrong answer. Lisa scored a total of 103 marks for the quiz. How many questions did she answer correctly?

Ans: _____ [3]

7. Jean is a hairdresser. She receives a fixed basic salary each month. She also receives a commission of 15% per hair service done. Last year, the average amount that she received for her hair services per month was \$2,400. If her earnings was \$17,520 last year, find her monthly fixed basic salary.

Ans: _____ [3]

8. There are 1600 pupils in a school. 55% of them are girls.
30% of the girls and 45% of the boys wear spectacles. How many pupils in the school wear spectacles?

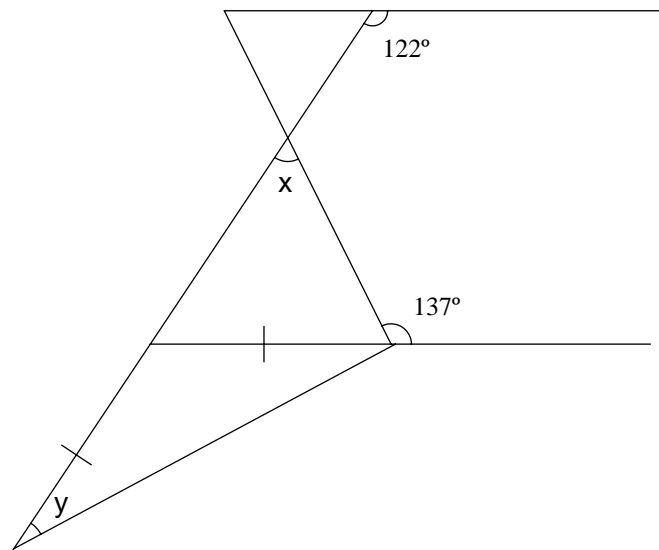
Ans: _____ [3]

9. A water fountain has 4 blow holes. Water spurts out from the first, second, third and fourth blow hole at every 3, 4, 5 and 6 seconds respectively. How many times will these blow holes spurt out water altogether between
- (a) 11 am to 11.30 am?
 - (b) 11.45 am to 12.20 pm?

Ans: (a) _____ [2]

(b) _____ [2]

10. The figure below is not drawn to scale. Find



- (a) $\angle x$
- (b) $\angle y$

Ans: (a) _____ [2]

(b) _____ [2]

11.

(a) Find the value of the 2 missing numbers X and Y.
11, 14, X, 26, Y, 46, 59

(b) M is a whole number. The sum of M and 5 is less than 65. M is greater than 45 and is a multiple of 7. What is the value of M?

Ans: (a) _____ [2]

(b) _____ [2]

12. A motorist travelled from Town A to Town B at an average speed of 75 km/h.
A motorcyclist travelled from Town B to Town A at an average speed of 84 km/h.
The motorist started his journey at 9.35 am and the motorcyclist started his journey at 10.10am. The 2 vehicles met at 12.15 pm.
- (a) Find the distance between the 2 towns.
(b) At what time did the motorist arrive at Town B?

Ans: (a) _____ [2]

(b) _____ [2]

13. The total length of 4 ties and 9 belts is 8.6m. The total length of 3 ties is equal to 4 belts.
- (a) Find the length of a tie.
 - (b) Find the total length of 8 ties and 7 belts.

Ans: (a) _____ [2]

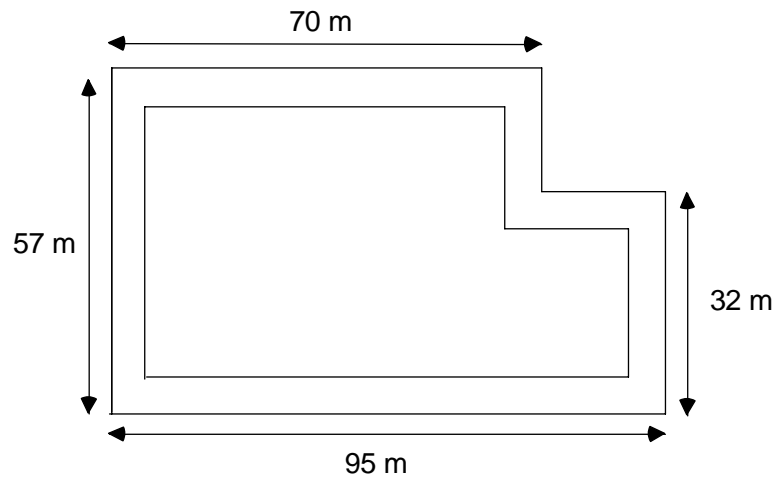
(b) _____ [2]

14. The price of prawns was \$3.65 per 200g and the price of beef was \$2.40 per 250g. Mrs Lim had \$84 with her. She bought 2kg 800g of prawns and 1kg 750g of beef.
- (a) After making her purchase, how much money will she have left?
 - (b) How many grams of beef could she buy with the amount of money she had?
(Assuming that she only bought beef)

Ans: (a) _____ [3]

(b) _____ [2]

15. The figure below represents a neighbourhood park. A path 1.5m wide is constructed round the field. Find the area of the path.



Ans: _____ [4]

16. A baker started off with a total of 240 red and green apples. He used $\frac{1}{2}$ of the red apples to make apple pies and bought another 32 green apples. As a result, the number of green apples he had was $1\frac{1}{5}$ times the number of red apples. How many more red apples than green apples did he have at first?

Ans: _____ [4]

17. $\frac{3}{7}$ of a tank was filled with water. Another 72 litres of water was needed to fill the tank to its brim.

- (a) Find the volume of the tank.
- (b) The height of the tank was 42 cm and its length was 60 cm. Find the perimeter of its base.

Ans: (a) _____ [2]

(b) _____ [2]

18. There are a total of 108 pieces of 50-cent, 20-cent and 5-cent coins in a tin.
There are 3 more 20-cent coins than 50-cent coins. The number of 5-cent coins is thrice the total number of 50-cent coins and 20-cent coins. How much do all these coins add up to?

Ans: _____ [4]