



PSLE Revision Paper 2

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

Booklet A

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Calculators cannot be used in this booklet.

(20 marks)

1. In 85 732, the digit 8 is in the _____ place.

- (1) hundreds (2) thousands
(3) ten thousands (4) hundred thousands

2. $40 \times 150 = \underline{\quad} \times 25$?

- (1) 100 (2) 240
(3) 200 (4) 340

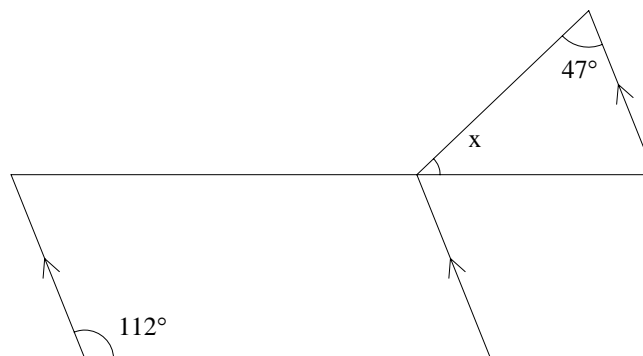
3. Find the value of $7x + \frac{x}{3} - 9$ when $x = 9$.

- (1) 11 (2) 29
(3) 35 (4) 57

4. The perimeter of a rectangle is 56 cm. The ratio of its length to its breadth is 5:2. Find the length of the rectangle.

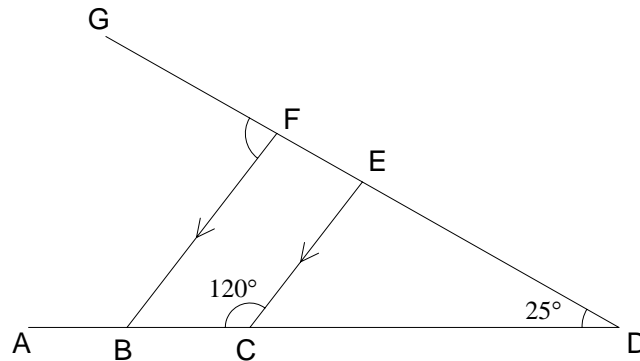
- (1) 20 (2) 16
(3) 12 (4) 8

5. The figure below is made up of a parallelogram and a triangle. Find $\angle x$.



- (1) 35° (2) 65°
(3) 40° (4) 70°

14. In this figure, ABCD and DEFG are straight lines. BF is parallel to CE. $\angle BCE$ is 120° and $\angle CDE$ is 25° . Find $\angle BFG$.



- (1) 55° (2) 70°
 (3) 85° (4) 100°
15. A group of pupils were selected to take a challenging math quiz. The table below shows the number of pupils in the different score categories.

Score	0 - 40	41 - 50	51 - 60	61 - 70	71 - 80	81 - 90	91 - 100
No. of pupils	46	44	29	8	6	5	2

A book prize is awarded to the pupils with the best possible high scores. If 15% of the pupils were awarded a prize, what was the minimum score to be awarded a prize?

- (1) 60 (2) 61
 (3) 70 (4) 71

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 smallest possible whole number that is divisible by 8, 12 and 21.

Ans: _____

17. Find the value of $(5a + 9a) \div 7 + 4a - 6a$ given that $a = 3$.

Ans: _____

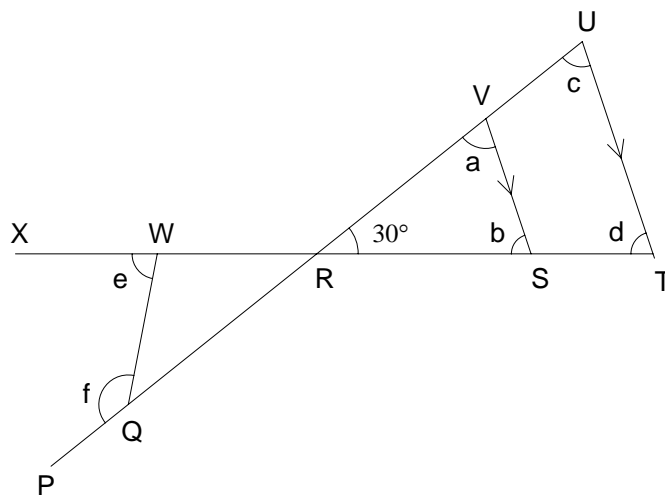
18. The sum of two numbers is 32.9. The difference between these two numbers is 4.5. Find the value of the larger number.

Ans: _____

19. Express $\frac{9}{8}$ as a decimal.

Ans: _____

20. PU and TX are straight lines. Lines SV and TU are parallel. Find the sum of a, b, c, d, e and f.



Ans: _____°

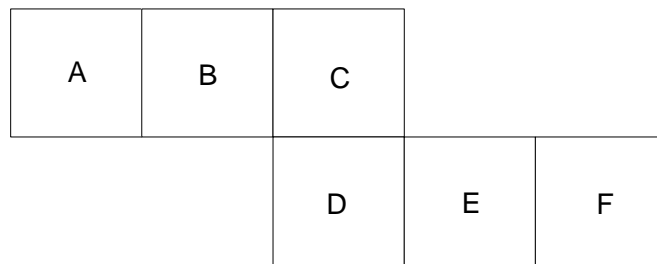
21. A shop had 15 tins of different varieties of cookies for sale. There were y cookies in each tin at first. Later on, Lydia bought 5 of each type of cookie. Express the total number of cookies left in the shop in terms of y .

Ans: _____

22. Freddy drove a car at 90 km/h for the first 180 km of a journey. For the remaining 100 km of the journey, he reduced his speed by 40 km/h. Find his average speed in km/h.

Ans: _____ km/h

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



Ans: _____

24. The length of a tank is three times its breadth. Its height is half its length. Given that its breadth is 6 cm, find the volume of water in the tank if it is $\frac{1}{3}$ full.

Ans: _____ cm³

25. Mandy went shopping from 11.45 am to 5.05 pm. At 1.15 pm, she had her lunch at the food court and spent 45 minutes there. How long did Mandy spend shopping?

Ans: ____h____min

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)

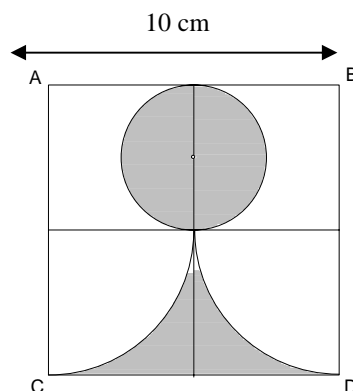
26. $\frac{1}{3}$ of Alex's stamps is equal to $\frac{2}{5}$ of Ben's stamps. Calvin has $\frac{3}{4}$ of the amount of stamps that Alex has. What is the ratio of Alex's stamps is to Ben's is to Calvin's?

Ans: _____

27. Find the value of $5 + 10 + 15 + \dots + 490 + 495 + 500$

Ans: _____

28. Square ABCD is made up of 4 identical squares. If the length of AB = 10 cm, find the perimeter of the shaded part of the figure. (Take $\pi = 3.14$)



Ans: _____ cm

29. 4 kiwis and 6 apples cost \$5.80. 2 kiwis and 1 apple cost \$1.90. Find the cost of 10 kiwis and a dozen apples.

Ans: \$ _____

30. A wholesaler charges his customers \$5 for each T-shirt purchased. He gives a 15% discount for every bulk purchase of 100 T-shirts. Mr Tan paid the wholesaler \$925. How many T-shirts did he buy from the wholesaler?

Ans: _____

PAPER 2 (1 h 40 mins)

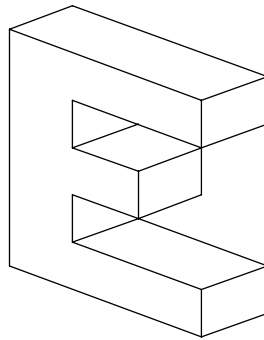
Questions 1 to 5 carries 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

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

Calculators can be used in this section.

(60 marks)

-
1. How many faces are there in the figure below?



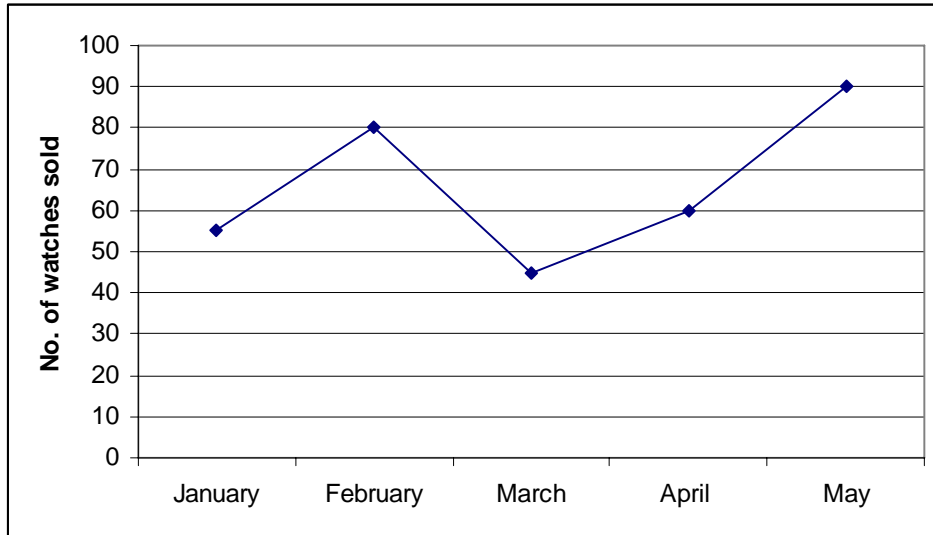
Ans: _____

-
2. Mr Lim left home at 8.15 am and took $1\frac{1}{2}$ h to travel $\frac{1}{3}$ of his journey from Town A to Town B.

The distance between Town A and Town B is 405 km. At what time would Mr Lim reach Town B if he drove at the same speed throughout his entire journey?

Ans: _____

The line graph shows the number of watches sold by a shop from January to May. Study it carefully and use it to answer questions 3 to 5.



3. In which month was the sale increased by 50% when compared with the month before it?

Ans: _____

4. What was the total number of watches sold in the 5 months?

Ans: _____

5. Find the average number of watches sold per month.

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. Alex, Ben and Chris have a total of 1385 marbles. Chris has 129 marbles. The number of marbles Alan has is 4 times the total number of marbles Ben and Chris have. How many marbles does Ben have?

Ans: _____ [3]

7. The number of cookies in a box is between 70 and 130. If Kathy packs these cookies into bags of 5, there will be a remainder of 3 cookies. If Kathy packs these cookies into bags of 9, there will be a remainder of 8 cookies. Find the total number of cookies in the box.

Ans: _____ [3]

8. A rectangular tank measuring 90 cm by 60 cm by 50 cm is $\frac{2}{3}$ filled with water. The water in the tank is being drained out at a rate of 0.25 litre per second.

How many minutes will it take to

- (a) empty half the amount of water in the tank?
- (b) empty all the water from the tank?

Ans: (a) _____ [1]

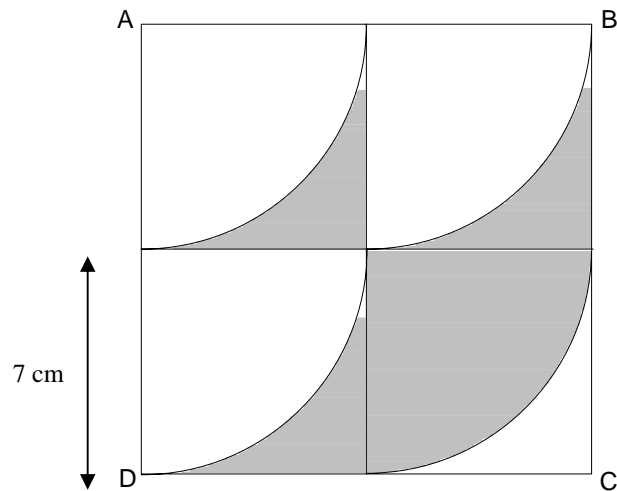
(b) _____ [2]

9. Siti paid \$33 for 5 chicken pies and 14 fruit tarts. The total cost of a chicken pie and a fruit tart was \$3.90. Eric bought 7 chicken pies and 2 fruit tarts.
- (a) Find the cost of a chicken pie.
(b) How much change would Eric receive if he paid the cashier \$50?

Ans: (a) _____ [2]

(b) _____ [2]

10. Square ABCD is made up of 4 identical squares. If the radius of the quadrant is 7 cm, find the area of the shaded part of the figure. (Take $\pi = \frac{22}{7}$)



Ans: _____ [3]

11. There are 112 red and blue buttons in a sewing box. Among the buttons, $\frac{4}{7}$ of the red buttons and $\frac{2}{3}$ of the blue buttons are round in shape. There is an equal number of square-shaped red and blue buttons. How many more blue buttons than red buttons are there in the box?

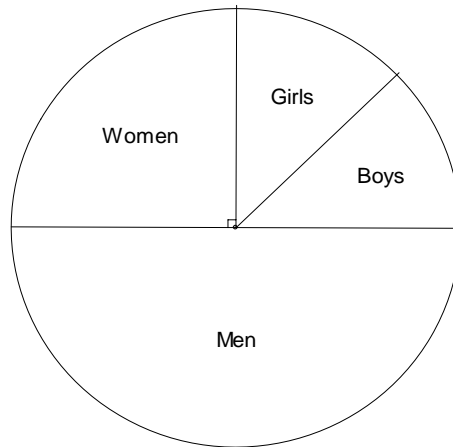
Ans: _____ [4]

12. Peter and Marcus both drove from Town A to Town B. Peter started his journey at 8 am, travelling at an average speed of 80 km/h. Some time later, Marcus started his journey. At 10 am, Marcus overtook Peter. When Marcus reached Town B at 12 noon, Peter was still 40km away from Town B. Find
- (a) Marcus's average speed.
 - (b) the time at which Marcus started his journey.

Ans: (a) _____ [3]

(b) _____ [2]

13. The pie chart shows the percentage of men, women, boys and girls in a particular town. The number of girls is the same as the number of boys.



- (a) If there were 2200 boys, find the total number of people in the town.
(b) How many more men than boys were there?

Ans: (a) _____ [2]

(b) _____ [2]

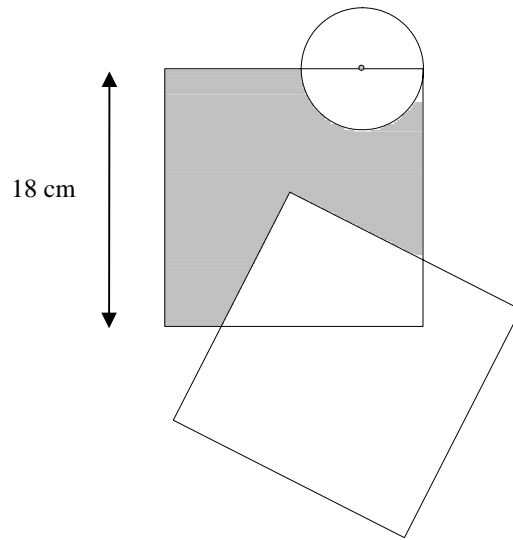
14. A fruit seller started with a total of 630 apples and pears. He sold $\frac{2}{5}$ of his apples and bought another 35 pears. After that, the number of pears he had was $\frac{4}{9}$ the number of apples.

- (a) How many apples did he have at first?
- (b) How many more apples than pears were there at first?

Ans: (a)_____ [3]

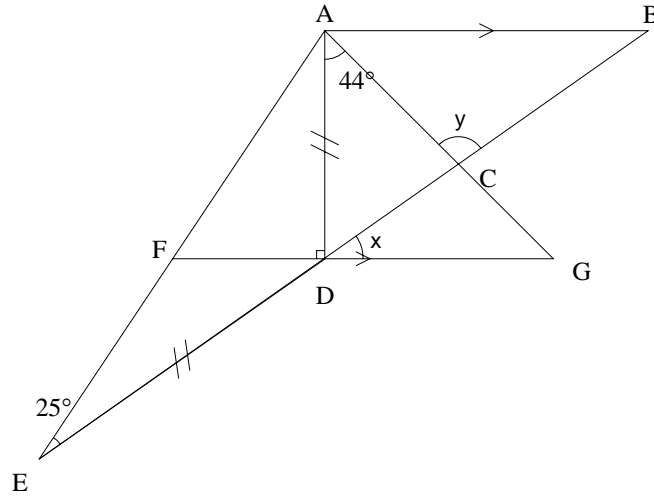
(b)_____ [2]

15. The figure below is made up of 2 identical squares and a circle with diameter $\frac{1}{2}$ the length of the square overlapping each other. $\frac{1}{3}$ of the portion of the squares are overlapping each other as shown in the figure. Find the area of the shaded part. Round off your answer to the nearest whole number. (Take $\pi = 3.14$)



Ans: _____ [4]

16. The figure below is not drawn to scale. ADE is an isosceles triangle. AB is parallel to FG. $\angle ADF$ is a right angle. $\angle DAG = 44^\circ$ and $\angle DEF = 25^\circ$. Find the value of



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

Ans: (a) _____ [2]

(b) _____ [2]

17. A rectangular tank measuring 80 cm by 70 cm by 50 cm is filled with water to a height of 3cm.

The ratio of the volume of water in the tank to that in a pail is 6:7. If $\frac{2}{3}$ of the pail is filled with water, find

- (a) the volume of the pail and
- (b) the number of such pails of water needed to fill an empty tank of the above dimensions.

Ans: (a)_____ [2]

(b)_____ [2]

18. The pattern below is made up of toothpicks. Study the pattern and complete the table by finding the values of a, b and c.

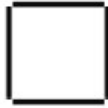


Figure 1



Figure 2



Figure 3

Figure number	1	2	3	4	5	...	12
Number of toothpicks	4	7	10	a	b	...	c

Ans: (a)_____ [1]

(b)_____ [1]

(c)_____ [2]