



PSLE Revision Paper 5

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: _____

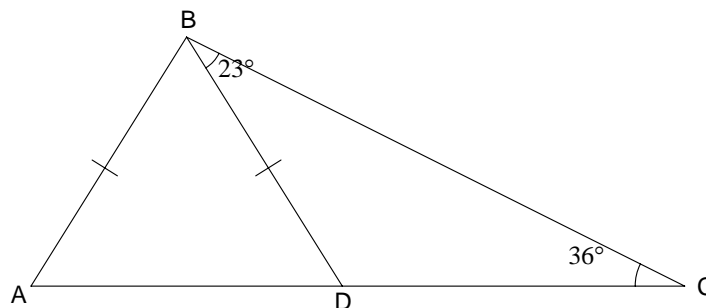
TOTAL SCORE

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.

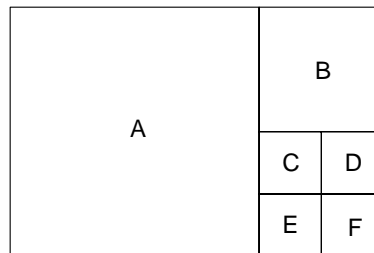
(20 marks)

1. The distance between one bus stop and another bus stop is around _____.
- (1) 50 m (2) 500 m
(3) 5 km (4) 50 km
2. $\frac{5}{9m}$ is the same as _____.
- (1) $\frac{5}{9} \times m$ (2) $5m \div 9$
(3) $5 \times \frac{1}{9m}$ (4) $5 \times 9m$
3. A container measuring 16 cm by 10 cm by 5 cm is $\frac{3}{4}$ filled with water. Find the volume of water in the container.
- (1) 300cm^3 (2) 400cm^3
(3) 500cm^3 (4) 600cm^3
4. How many sixths are there in $3\frac{2}{3}$?
- (1) 10 (2) 15
(3) 22 (4) 28
5. AB is equal to BD. ADC is a straight line. Find $\angle ABD$.



- (1) 29° (2) 97°
(3) 62° (4) 89°

13. The figure is made up of 6 squares. If the area of A is 144 cm^2 , what is the perimeter of C, D and E?



- (1) 24 cm (2) 32 cm
(3) 48 cm (4) 55 cm
14. A car which was 4m long and traveling at an average speed of 90 km/h, took 20s to pass through a tunnel. Find the length of the tunnel.
- (1) 354 m (2) 496 m
(3) 29 km 996 m (4) 30 km
15. Adam has some cows and chickens in his farm. Among these animals, there are altogether 24 heads and 78 legs. How many cows and chickens are there in his farm?
- (1) 15 cows, 9 chickens (2) 10 cows, 14 chickens
(3) 7 cows, 17 chickens (4) 16 cows, 8 chickens

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 $15 - 2 \times (15 \div 2) + (9 - 7)$.

Ans: _____

17. Johnny has \$67. He spends \$2n to buy a watch and also purchased 3 pens which cost \$n each. How much money has he left?

Ans: \$ _____

18. Gabriel took 3 hr to drive from Town X to Town Y which was 210 km apart. Terence took $\frac{1}{2}$ hr less to drive from Town X to Town Y. What was Terence's speed?

Ans: _____ km/h

19. The table below shows the rates of developing film at a photo shop. Each roll of film contains 36 photos.

Number of rolls	Cost per photo
1 - 4	\$0.30
5 and above	\$0.25
Fixed development charge per roll = \$3	

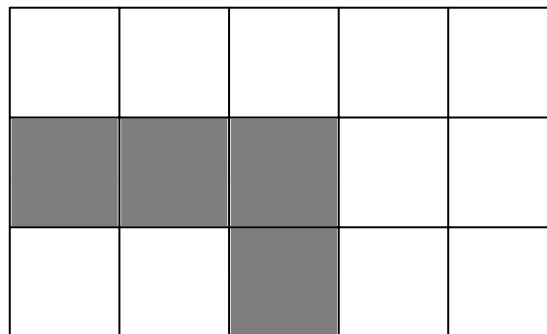
Given that Mr De Souza paid \$72, how many rolls of film did he develop?

Ans: _____

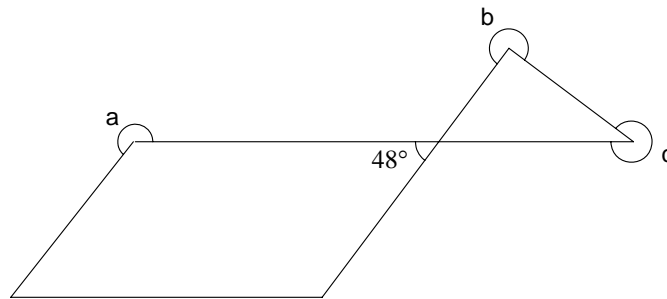
20. An LCD-screen television set cost \$700 more than a normal television set. A retailer bought 5 of each type and paid a total of \$7500. How much did he pay for each LCD-screen television set?

Ans: \$ _____

21. Shade 3 squares so that the figure below will have 2 lines of symmetry.



22. The figure is made up of a parallelogram and a triangle. Calculate the sum of $\angle a$, b and c .



Ans: _____^o

23. Mrs Goh has some children. Each of her daughters has twice as many sisters as brothers. Each of her sons has five times as many sisters as brothers. What is the minimum number of children that Mrs Goh has?

Ans: _____

24. When a number is divided by 3, the remainder is 2. When the same number is divided by 6, the remainder is still 2. Given that the number is between 50 and 60, find the number.

Ans: _____

25. 8 books and 13 magazines cost \$244.50. 1 book and 2 magazines cost \$33. How much does each book cost?

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. It takes 3 men 4 days to paint 3 houses. How long does it take 4 men to paint 9 houses?

Ans: _____

27. A carton which contains 70 glass bottles weighs 1.7 kg. An identical carton with 30 glass bottles weighs 1.1 kg. Find the weight of the carton.

Ans: _____ g

28. 16 metal cubes of length 3 cm each are stacked into a cuboid which has a base area of 36cm^2 . Given that the 16 metal cubes fitted neatly into the cuboid with no spaces remaining, find the height of the cuboid.

Ans: _____ cm

29. Find the area of a circle with a radius $5n$ cm if $n = 2$. (Take $\pi = 3.14$)

Ans: _____ cm^2

30. A fruit seller had a total of 180 apples and oranges in the ratio of 4:5. After he sold an equal number of apples and oranges, the ratio of apples to oranges became 3:7. How many apples and oranges did he sell altogether?

Ans: _____

PAPER 2 (1 h 40 mins)

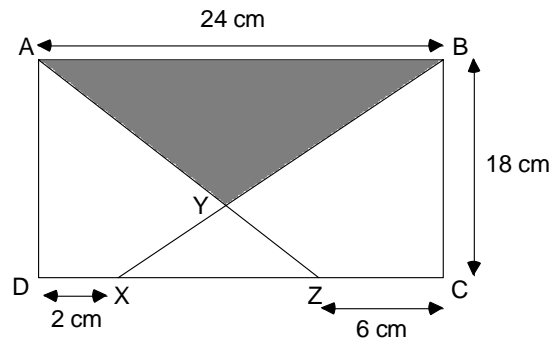
Questions 1 to 5 carries 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided.

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

Calculators can be used in this section.

(60 marks)

1. The ratio of the area of $\triangle ABY$ to the area of $\triangle BCX$ is 17:18. Find the area of $ADXY$.

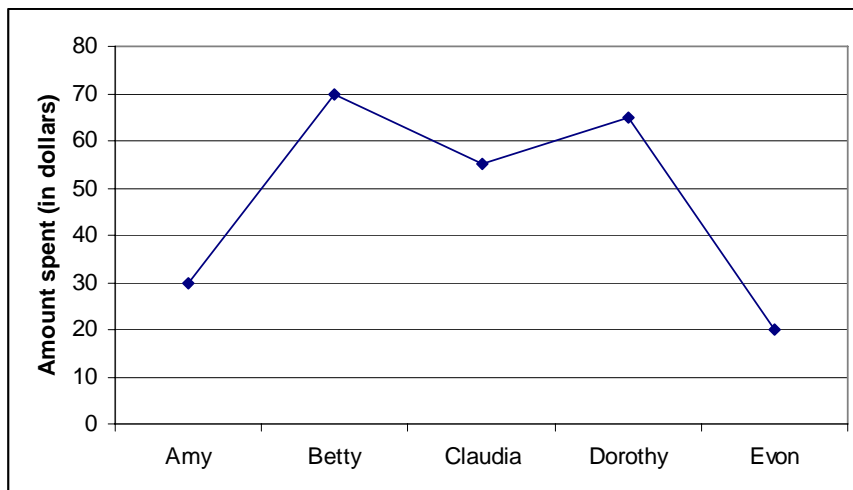


Ans: _____ cm^2

2. Ahmad and Zainal had a total of 160 toy soldiers. Ahmad gave $\frac{2}{7}$ of his toy soldiers to Zainal. Zainal then gave $\frac{1}{9}$ of the total number of toy soldiers he had to Ahmad. After which, the number of toy soldiers which Ahmad had was $\frac{1}{3}$ of the number of toy soldiers that Zainal had. How many more toy soldiers had Zainal than Ahmad at first?

Ans: _____

The line graph shows the amount of money spent by each girl. Study it carefully and use it to answer questions 3 to 5.



3. What is the average amount of money spent by each girl?

Ans: \$ _____

4. If the 5 girls spent 25% of their money each, how much did they have altogether at first?

Ans: \$ _____

5. What is the average amount of money each girl has at first?

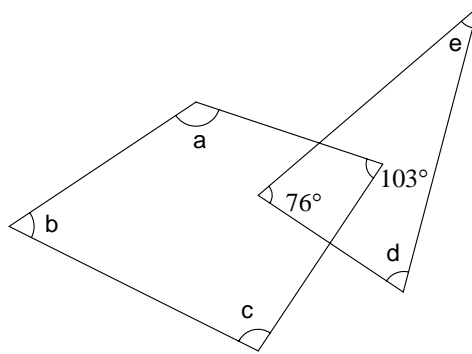
Ans: \$ _____

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. A shipping company transported 898 parcels for Mr Ng from Singapore to Vancouver. It charged \$30 for each parcel that was safely transported but had to pay Mr Ng \$65 for every damaged parcel. Mr Ng paid a total of \$26 370 to the shipping company. How many of his parcels were safely transported?

Ans: _____ [3]

7. Find the total sum of angles a, b, c, d and e.



Ans: _____ [3]

8. A rectangular fish tank measuring 90 cm by 65 cm by 50 cm was 30% filled with water. A tap was turned on and the water flowing at a uniform rate took $\frac{5}{6}$ hr to fill up the tank. What was the rate of the water that flowed out from the tap per minute?
(Express your answer in litres per minute.)

Ans: _____ [3]

9. Peter and Polly had a total of 196 guppies. Polly gave $\frac{2}{9}$ of the total number of guppies she had to Peter. In the end, each of them had an equal number of guppies. How many more guppies had Polly than Peter at first?

Ans: _____ [3]

10. During a sale, Jen's boutique and Cleo's boutique were selling similar sweaters at \$45 and \$39 respectively. Prior to this sale, the price of sweaters was the same in both boutiques. A sum of \$212 could be saved by buying 2 sweaters from each boutique during the sale. How much was the discount per sweater in Jen's boutique?

Ans: _____ [3]

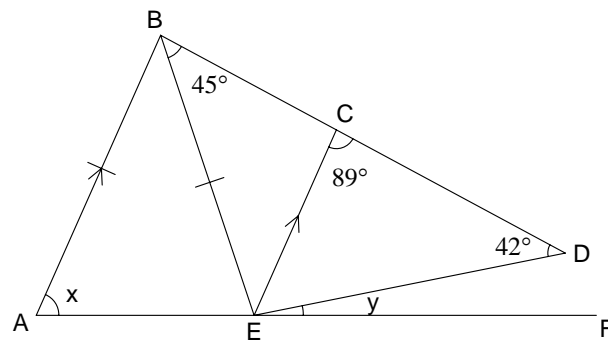
11. In Green Meadows Primary School, 50 pupils were surveyed on the pets they liked. 80% of the pupils liked dogs, 50% of them liked birds and 34% of them liked rabbits. The survey results were that 1 out of every 5 pupils did not like any of the animals.
What is the least number of pupils who liked all 3 types of animals?

Ans: _____ [4]

12. In a toy box, the number of red balls is 45% of the total number of blue and green balls. The number of blue balls is 25% of the number of green balls. If there are 29 balls altogether, find the number of green balls in the box.

Ans: _____ [4]

13. In the figure, AB is parallel to CE and AB = BE.



Calculate

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

Ans: (a) _____ [3]

(b) _____ [2]

14. Mrs Lim made fruit punch by mixing 4 litres of orange juice with 3.5 litres of apple juice and 2.5 litres of pineapple juice. She then poured the mixture equally into similar rectangular tumblers measuring 15 cm by 8 cm by 20 cm.
- (a) How many such tumblers could she fill?
 - (b) Find the amount of mixture that was left over.

Ans: (a) _____ [3]

(b) _____ [2]

15. In an amazing race competition, there were 90 females and 120 male participants. They were regrouped to form mixed groups with the same proportion of females and males in each group (i.e the ratio of males to females was the same throughout all groups and all participants had a group)
- (a) What is the largest number of groups that could be formed?
(b) How many females and males were there in each group?

Ans: (a) _____ [2]

(b) _____ [2]

16. At 10 am, a car traveled from Town A to Town B at an average speed of 80 km/h. At the same time, a van traveled from Town B to Town A. Some time later, the car and the van passed each other and were 40 km apart at 2 pm. The car arrived at Town B at 4 pm.
- (a) Find the average speed of the van.
(b) At what time did the van arrive at Town A?

Ans: (a) _____ [2]

(b) _____ [2]

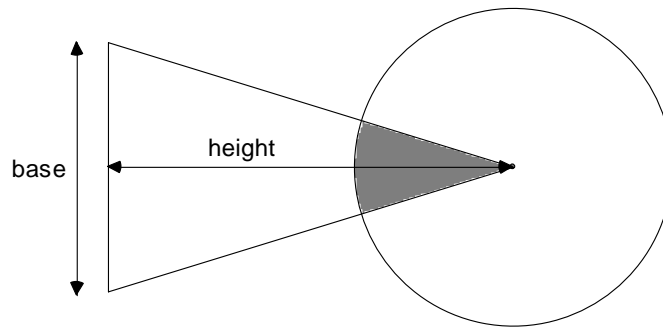
17. The marked price of a fan was \$85. During a sale, a 20% discount was given and the retailer still earned \$19 from the sale.

- (a) Find the selling price of the fan.
- (b) How much did he pay for the fan?

Ans: (a) _____ [2]

(b) _____ [2]

18. The figure consists of a triangle overlapping a circle.



The ratio of the area of the triangle to the shaded area is 4:1. The ratio of the area of the circle to the shaded part is 8:1. Given that the radius of the circle is 7 cm,

- Find the area of the triangle.
- Express the shaded area of the figure as a simple ratio to the unshaded area of the figure.
- Given that the base of the triangle is 7 cm, find the height of the triangle.

Ans: (a) _____ [1]

(b) _____ [2]

(c) _____ [2]