Anglo-Chinese School (Junior)

END-OF-YEAR EXAMINATION (2025)

PRIMARY 5
MATHEMATICS
PAPER 1
(Booklet A)

3 November 2025

Total Time for Booklets A and Booklet B : 1 hour 10 minutes

Name: _____ ( ) Class: 5.( )

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a 2B pencil to shade your answers on the Optical Answer Sheet (OAS).
5. The use of calculators is **NOT** allowed.

This booklet consists of 10 printed pages.

Questions **1** to **10** carry 1 mark each. Questions **11** to **18** 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) and shade your answer (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (26 marks)

1 40 000 + 7000 + 200 + 8 = _____

1) 47 280

2) 47 208

3) 47 028

4) 40 728

2 Which of the following is the same as 30 kg 70 g?

1) 3070 g

2) 3700 g

3) 30 070 g

4) 30 700 g

3 What is the missing number in the box?

$$\frac{9}{12} = \frac{3}{\square}$$

1) 9

2) 6

3) 3

4) 4

4 Which of the following is thirty-eight thousand and forty in numerals?

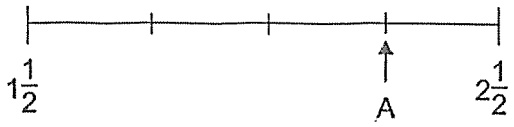
1) 3840

2) 38 040

3) 38 400

4) 380 040

5 In the number line, what is the mixed number represented by A?



1) $1\frac{1}{4}$

2) $1\frac{3}{4}$

3) $2\frac{1}{4}$

4) $2\frac{3}{4}$

6 Which decimal is greater than 0.07 but smaller than 0.13?

1) 0.1

2) 0.8

3) 0.01

4) 0.18

7 Round 7.856 to 2 decimal places.

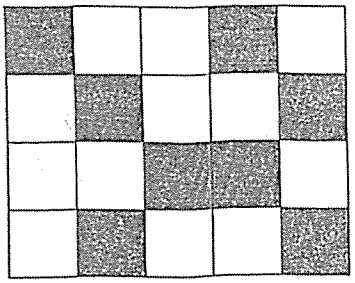
1) 7.80

2) 7.85

3) 7.86

4) 7.90

8 The figure is made up of 20 equal squares.
What percentage of the figure is shaded?



1) 5%

2) 8%

3) 20%

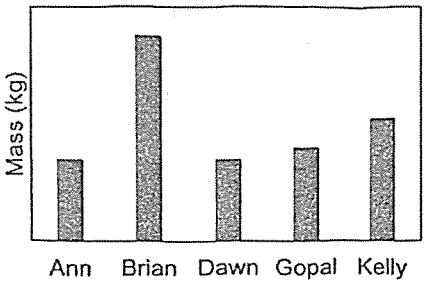
4) 40%

9 The table below shows the mass of 5 children.

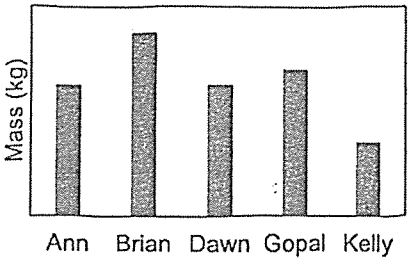
Children	Ann	Brian	Dawn	Gopal	Kelly
Mass (kg)	28	70	28	56	42

Which of the following bar graphs represents the information shown in the table above?

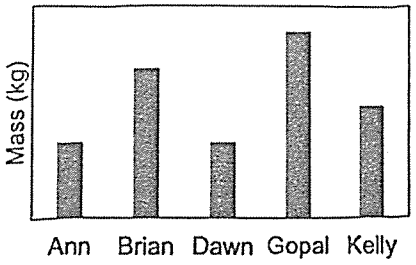
1)



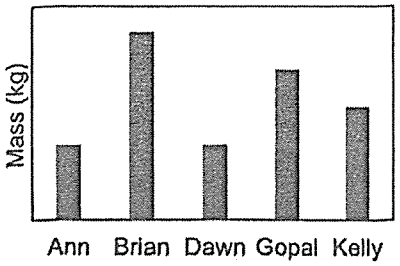
2)



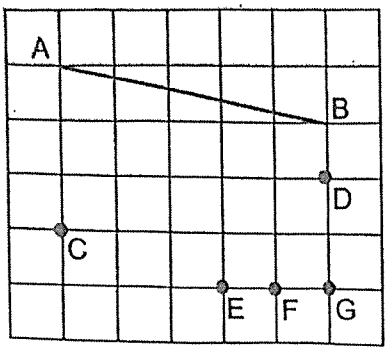
3)



4)



10 In the square grid, which of the following lines, when drawn, is parallel to AB?



1) CD

2) CE

3) CF

4) CG

11 Express $2\frac{1}{50}$ as a decimal.

1) 2.1

2) 2.2

3) 2.02

4) 2.15

12 What is the value of $40 - (5 + 13) \div 2 \times 3$?

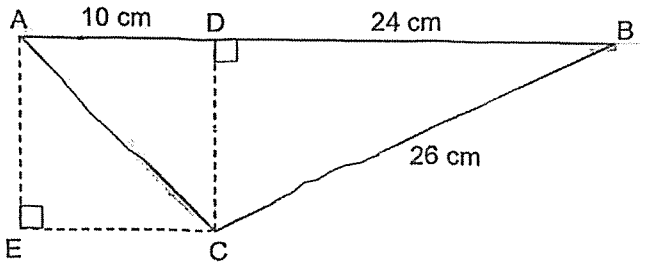
1) 13

2) 33

3) 37

4) 72

13 In the figure below, AD = CD = 10 cm, BD = 24 cm and BC = 26 cm. Find the area of triangle ABC.



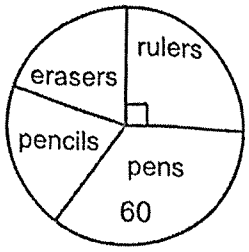
1) 120 cm^2

2) 130 cm^2

3) 170 cm^2

4) 180 cm^2

14 The pie chart shows the types of stationery sold. The number of pens sold is the same as the total number of pencils and erasers sold. What fraction of the stationery sold are pens?



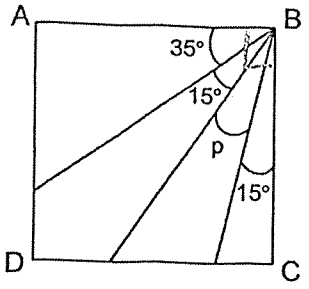
1) $\frac{3}{8}$

2) $\frac{1}{3}$

3) $\frac{3}{11}$

4) $\frac{1}{4}$

15 In the figure, ABCD is a square. Find ∠p.



1) 20°

2) 25°

3) 30°

4) 35°

16 Xing had $\frac{1}{2}$ as much money as Yen. Yen had $\frac{3}{4}$ as much money as Zain. Zain had \$25 more than Xing. Find the sum of money the three of them had.

1) \$70

2) \$85

3) \$100

4) \$115

17 The table below shows the bicycle rental charges at a park.

Duration	Charges
First hour	\$3.50
Every additional 30 min or part thereof	\$1.00

Josh collected his bicycle at 1:30 pm. After cycling, he returned his bicycle and paid \$10.50. At what time could he have returned his bicycle?

1) 5:00 pm

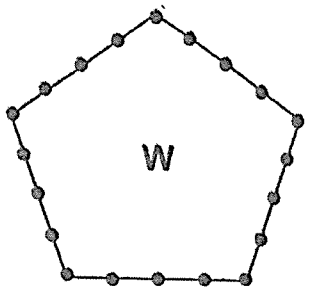
2) 5:30 pm

3) 5:45 pm

4) 6:15 pm

18 Dots are placed at an equal distance from each other along 5 sides of shape W. The number of dots on each side is the same and each corner has a dot on it.

When there are 20 dots on shape W, there are 5 dots on each side.



When there are 65 dots on shape W, how many dots are there on each side?

1) 12

2) 13

3) 14

4) 15

End of Booklet A

Anglo-Chinese School (Junior)

END-OF-YEAR EXAMINATION (2025)

PRIMARY 5
MATHEMATICS
PAPER 1
(Booklet B)

3 November 2025

Total Time for Booklets A and Booklet B : 1 hour 10 minutes

Name: _____ ( ) Class: 5. ( )

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
5. The use of calculators is **NOT** allowed.
6. Do not use correction fluid/tape.
7. Do not use highlighters on any part of your answers.

This question paper consists of 8 printed pages and 1 blank page.

Questions **19** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(24 marks)

19 (a) Find the value of 290 x 42.

Ans : (a) _____

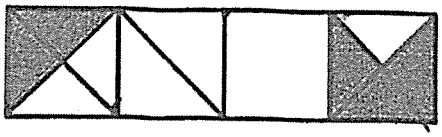
(b) Find the value of 3800 ÷ 20.

Ans : (b) _____

20 (a) Find the value of $\frac{2}{5} + \frac{1}{4}$.

Ans : (a) _____

(b) The figure is made up of 4 identical squares. What fraction of the figure is shaded?



Ans : (b) _____

Sub-Total : [ ]

(Go on to the next page)

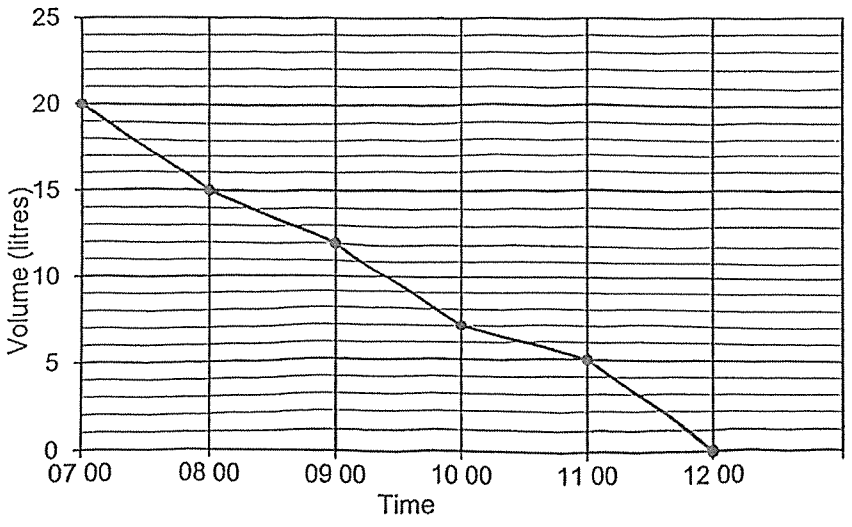
21 (a) Find the value of 6.48 + 7.94.

Ans : (a) _____

(b) Convert 5 kg 5 g to kilograms.

Ans : (b) _____kg

22 A class started selling a container full of juice at 07 00 at a school's carnival. The container was empty at 12 00. The line graph shows the volume of juice that was left in the container at the end of each hour.

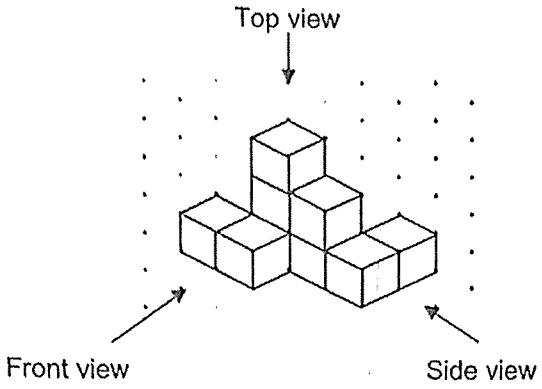


At what time was the container $\frac{1}{4}$ filled with juice?

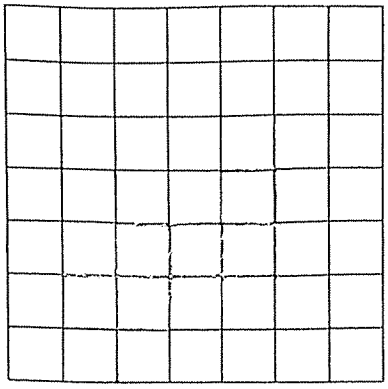
Ans : _____

Sub-Total :

23 The figure below is made up of 9 unit cubes.



Draw the **front view** of the figure in the given square grid below.



Sub-Total :

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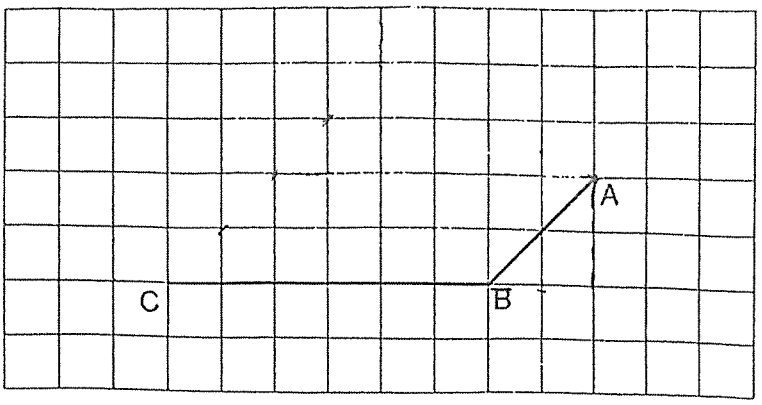
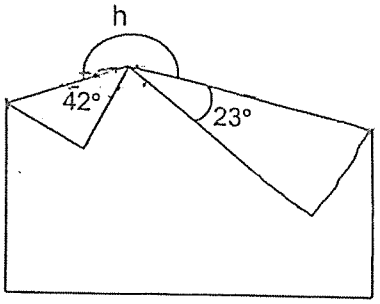
24 In the square grid, AB and BC are straight lines. Draw and label a trapezium ABCD where AB is parallel to DC and DC is twice as long as AB.



25 A rectangular piece of paper is folded as shown below. Find ∠h.



Ans : _____ °

Sub-Total :

26 Mrs Tan baked 80 cupcakes. 44 of the cupcakes were blueberry cupcakes. The remaining cupcakes were chocolate cupcakes. What percentage of the cupcakes she baked were chocolate cupcakes?

Ans : _____ %

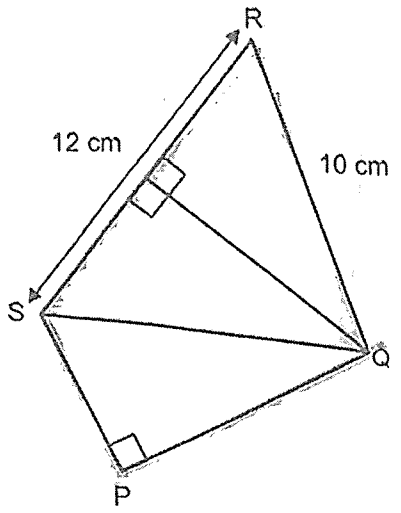
27 Susan bought some hairclips. She gave away 12 of them. Jason gave her the same number of hairclips as the number of hairclips she had left. She put all the hairclips into 8 boxes. Each box contained 14 hairclips. How many hairclips did Susan buy?

Ans : _____

Sub-Total : [ ]

(Go on to the next page)

28 Ali cut out three identical right-angled triangles. He joined them to form the figure PQRS shown below. RS = 12 cm and QR = 10 cm. The perimeter of the figure is 36 cm. Find the area of the figure PQRS.



Ans : _____ cm^2

Sub-Total :

29 A shop had a number of bags for sale. After selling 27 of them in the morning and $\frac{5}{9}$ of the remainder in the afternoon, it was left with $\frac{1}{3}$ of the bags it had at first. How many bags were sold altogether?

Ans : _____

30 Jasmin and Valerie had the same length of ribbon at first. Jasmin bought another 90 cm of ribbon and Valerie used 24 cm of ribbon. In the end, Jasmin had 5 times as much ribbon as Valerie. What was the length of ribbon Jasmin had in the end?

Ans : _____ cm

End of Booklet B

Anglo-Chinese School (Junior)

END-OF-YEAR EXAMINATION (2025)

PRIMARY 5
MATHEMATICS
PAPER 2

3 November 2025

Time : 1 hour 20 minutes

Name: _____ ( ) Class: 5.( )

Parent's Signature:_____

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
5. The use of an approved calculator is allowed.
6. Do not use correction fluid/tape.
7. Do not use highlighters on any part of your answers.

Paper	Booklet	Possible Marks	Marks Obtained
1	A	26	
	B	24	
2		50	
Total		100	

This question paper consists of 14 printed pages and 1 blank page.

Questions 1 to 5 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

1 The perimeter of a rectangular file is 48.8 cm. Its length is 3 times as long as its breadth. What is the length of the file?

Ans : _____ cm

2 A coffeeshop uses 7 packets of coffee powder in a day. Each packet contains $3\frac{3}{4}$ kg of coffee powder. The coffee powder costs $52.40 per kilogram. How much does the coffeeshop spend on coffee powder in a day?

Ans : $_____

Sub-Total : [ ]

(Go on to the next page)

3 160 students took part in a competition. Each student must obtain at least a certain score in the first round to qualify for the second round. The table below shows the number of students for each score.

Score (Points)	Number of contestants
0	13
1	15
2	20
3	29
4	45
5 or more	38

30% of the students did not qualify for the second round. From the table, what is the lowest score of a student who qualified for the second round?

Ans :_____points

4 A machine can print 378 pieces of paper in 9 minutes. At this rate, how long will the machine take to print 1470 pieces of paper?

Ans : _____ min

5 Mrs Lin wanted to pack 80 pencils and 96 erasers into as many bags as possible with no remainder. The number of pencils in each bag was the same. The total number of pencils and erasers in each bag was the same. How many pencils were there in each bag?

Ans : _____

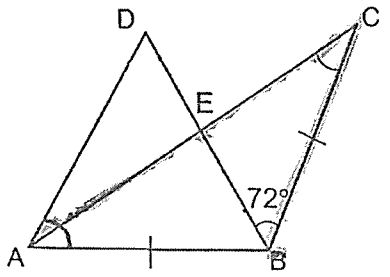
Sub-Total : [ ]

(Go on to the next page)

For questions 6 to 15, show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

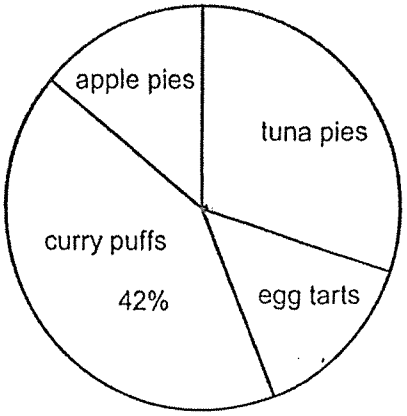
(40 marks)

6 ABD is an equilateral triangle. ABC is an isosceles triangle where BA = BC and ∠CBD = 72°. Find ∠ACB.



Ans : _____ ° [3]

7 The pie chart shows the number of four types of pastries in a shop.
There was an equal number of egg tarts and apple pies.
There were 28 more tuna pies than egg tarts.
There were 250 pastries altogether.



(a) What was the total number of tuna pies, egg tarts and apple pies?

Ans : (a) _____ [1]

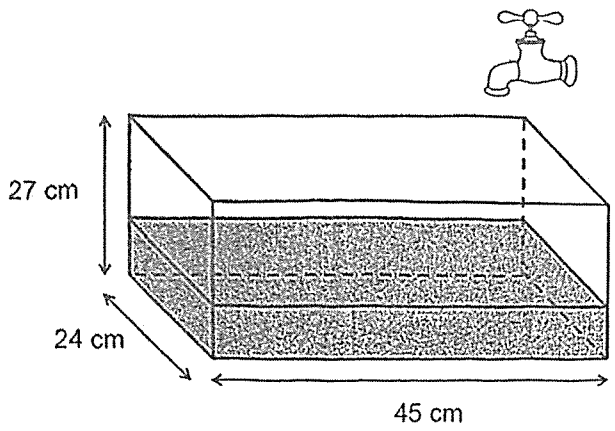
(b) How many apple pies were there?

Ans : (b) _____ [2]

Sub-Total :

(Go on to the next page)

8 A tank measuring 45 cm by 24 cm and 27 cm was $\frac{1}{3}$ filled with water at first.



(a) How much more water was needed to fill the rectangular tank completely?

Ans : (a)_____ cm^3 [2]

(b) Dillon turned on a tap and let water flow into the tank at a rate of 1.35 ℓ per minute. After 15 minutes, he turned off the tap. How much water had overflowed? Express your answer in litres.

Ans : (b) _____ ℓ [2]

Sub-Total :

9 The table shows the prices of toy planes sold at a shop during a sale.

Number of toy planes	Price
First 4 toy planes or fewer	$12 each
Every additional toy plane	$9.50 each

(a) Mrs Tam bought 7 toy planes. How much did she pay for all the toy planes?

Ans: (a) $_____ [2]

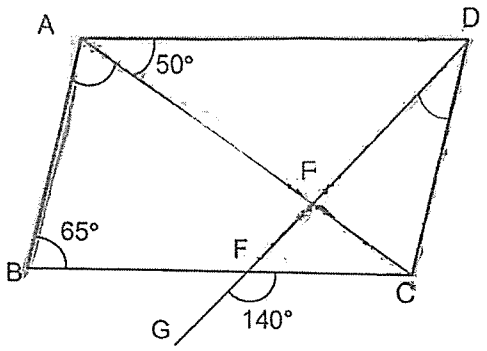
(b) Mrs Lee paid $124 for some toy planes. How many toy planes did she buy?

Ans : (b)_____ [2]

Sub-Total :

(Go on to the next page)

10 ABCD is a parallelogram. DG is a straight line. ∠ABC = 65°, ∠CAD = 50° and ∠CFG = 140°.



(a) Find ∠BAC.

Ans : (a)_____° [1]

(b) Find ∠CDF.

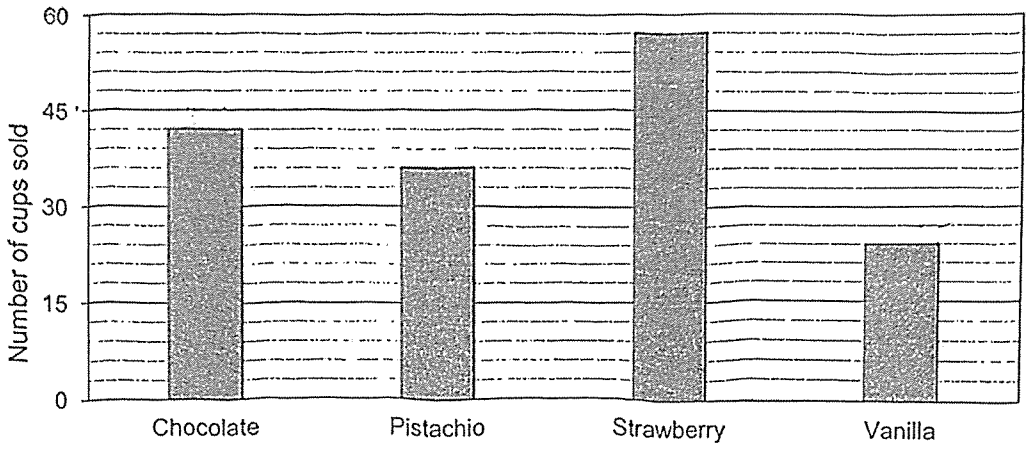
Ans : (b) _____° [3]

Sub-Total :

11 A file and 3 identical pens cost $29.20. 2 such files and 8 such pens cost $76.20
What was the cost of 1 such pen?

Ans : $_____ [4]

12 The bar graph shows the different flavours of ice cream sold by a shop.



The table shows the prices of the ice cream flavours.

Ice cream flavour	Price per cup
Chocolate	$3.50
Pistachio	$4.20
Strawberry	$2.50
Vanilla	$3.80

(a) What fraction of the ice cream sold was vanilla?

Ans : (a) _____ [1]

(b) Which ice cream flavour did the shop earn the most money?
From the sale of this ice cream flavour, what was the amount of money earned?

Ans : (b) Flavour: _____ [1]

Amount: $_____ [2]

Sub-Total : [ ]

13 Ken and Helen went shopping with a total amount of $345. Ken spent twice as much as Helen. The amount Helen had left was $26 more than what she had spent. She had twice as much money left as Ken.

(a) How much money did Ken spend?

Ans : $_____ [3]

(b) How much money did Helen have at first?

Ans : $_____ [1]

Sub-Total :

(Go on to the next page)

14 Peter was reading a book. On the first day, he read $\frac{1}{4}$ of the total number of pages of the book. On the second day, he read another 50 pages. After that, the number of pages he had read was twice the number of pages he had not read. How many pages were there in the book?

Ans : _____ [5]

Sub-Total :

15 Figure A is a square formed using 2 identical tiles. Figure B is a rectangle formed by rearranging the tiles. The area of Figure A is 81 m^2.

Figure C shows a rectangular path formed by using the tile pattern of Figure B. The path is continuous and completely covered. It has an area of 2106 m^2.

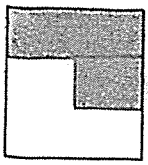


Figure A

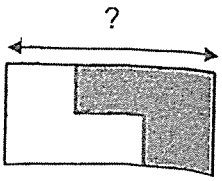


Figure B

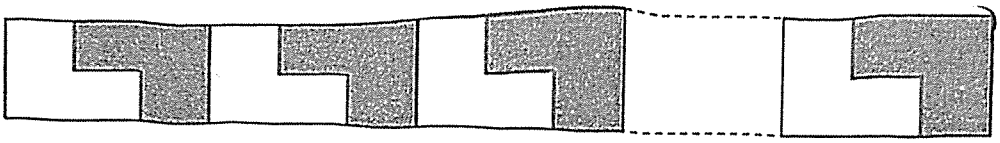


Figure C

(a) What is the length of Figure B?

Ans : (a)_____m [1]

(b) What is the perimeter of the path?

Ans : (b)_____m [4]

End of Paper 2

Please do not write in the margin.

Sub-Total :

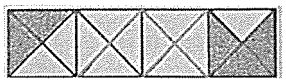
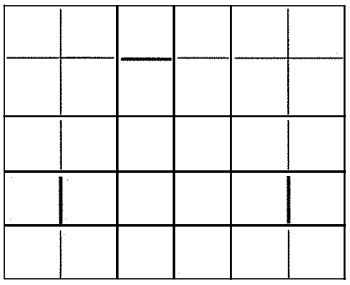
SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)

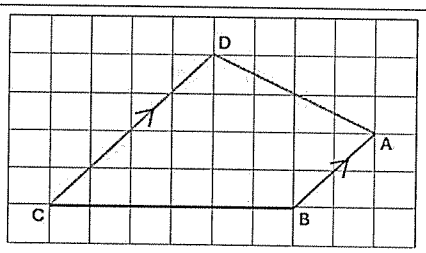
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2025 EOY EXAM

BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	4	2	3	1	3	4	4	4
Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18		
3	1	3	1	2	2	3	3		

BOOKLET B

Q19	(a) $290 \times 42 = 12180$. (b) $3800 \div 20 = 190$.	ANS : (a) 12180 (b) 190
Q20	(a) $\frac{2}{5} + \frac{1}{4} = \frac{13}{20}$. (b)  $\frac{5}{4\times4} = \frac{5}{16}$.	ANS : (a) $\frac{13}{20}$ (b) $\frac{5}{16}$
Q21	(a) 6.48 + 7.94 = 14.42 (b) 5 kg 5 g = 5.005 kg	ANS : (a) 14.42 (b) 5.005 kg
Q22	$20 \times \frac{1}{4} = 5\ l$, $5\ l$ left at 11 00.	ANS : 11 00
Q23	**Front view** as depicted as follows: 	ANS: See figure

Q24	 ANS : See figure
Q25	$\angle h = 42° + 180 + 23 = 245°$. ANS : 245°
Q26	$80 - 44 = 36$. $\frac{36}{80} \times 100\% = 45\%$. ANS : 45%
Q27	$8 \times 14 = 112$, $112 \div 2 = 56$, $56 + 12 = 68$. ANS : 68
Q28	PQ = 36 – 12 – 10 – 12 ÷ 2 = 36 – 22 – 6 = 8 cm. Area of figure PQRS = 3 × area of triangles SPQ = 3 × ½ × 6 × 8 = 72 cm^2. ANS : 72 cm^2
Q29	Assuming remaining number of bags = 9u, then 9u – 5u = 4u ➔ ⅓ of bags the shop had at first. ∴ The shop had 3(4u) = 12u at first, and, 12u – 9u = 3u = 27 ➔ u = 27 ÷ 3 = 9. Hence, total number of bags = 12u = 12 × 9 = 108. Total number of bags sold = 108 × ⅔ = 72. ANS : 72 bags
Q30	At the end, if Valerie had (u) cm of ribbon, then, Jasmin had (5u) cm of ribbon, then, 5u – u = 90 + 24, 4u = 114, u = 114 ÷ 4 = 28.5 cm 5u = 5 × 28.5 = 142.5 cm ANS : 142.5 cm

PAPER 2

Q1	2(3u + u) = 48.8 cm, 8u = 48.8 cm, u = 6.1 cm. Length = 3u = 3 × 6.1 = 18.3 cm. ANS : 18.3 cm
Q2	7 × 3¾ = 26¼, 26¼ × \$52.40 = \$1,375.50 ANS : \$1,375.50
Q3	Total number of students = 13 + 15 + 20 + 29 + 45 + 38 = 160. 30% × 160 = 48 = 13 + 15 + 20. There are 48 students scored up to 2 points. Thus the lowest score to qualify for second round is 3 points. ANS : 3 points
Q4	Time needed = 1470 ÷ 378 × 9 = 35 minutes. ANS : 35 min
Q5	80 = 16 × 5, and 96 = 16 × 6. Thus, the maximum number of bags = 16, and there are 5 pencils and 6 erasers in each bag. ANS : 5 pencils
Q6	∠ABD = 60° (ABD is equilateral triangles), ∠DBC = 72° (Given). ∠ABC = ∠ABD + ∠DBC = 60° + 72° = 132°. $\therefore \angle ACB = \frac{180^\circ - 132^\circ}{2} = 24^\circ$. (Base angle of isosceles triangle, BA = BC) ANS : 24°
Q7	(a) 100% – 42% = 58%. 250 × 58% = 145. ANS : (a) 145 (b) 145 – 28 = 117, 117 ÷ 3 = 39. (b) 39
Q8	(a) 45 × 24 × 27 × ⅔ = 19440 cm^3. ANS : (a) 19440 cm^3 (b) 1.35 × 15 = 20.25 l, 20.25 – 19.44 = 0.81 l (b) 0.81 l
Q9	(a) 4 × \$12 + 3 × \$9.50 = \$76.50. (b) \$(124 – 48) = \$76, \$76 ÷ \$9.50 = 8, ANS : (a) \$76.50 4 + 8 = 12. (b) 12

Q10	(a) $\angle BAC = 180° - 65° - 50° = 65°$. (b) $\angle BCD = \angle BAD = 65° + 50° = 115°$, $\angle CDF = 140° - 115° = 25°$. ANS : (a) 65° (b) 25°
Q11	Assume the cost of 1 file and 1 pen be \$F and \$P respectively. $F + 3P = 29.20$ ..... ① $2F + 8P = \$76.20 \Rightarrow F + 4P = \$76.20 \div 2 = 38.10$ ..... ② ② − ①, $P = 38.10 - 29.20 = 8.90$. ∴ Cost of 1 pen is \$8.90. ANS : \$8.90
Q12	(a) $42 + 36 + 57 + 24 = 159$, Fraction of vanilla ice-cream = $\frac{24}{159} = \frac{8}{53}$. (b) Chocolate : $42 \times \$3.50 = \$147.00$, Pistachio : $36 \times \$4.20 = \$151.20$, Strawberry : $57 \times \$2.50 = \$142.50$, Vanilla : $24 \times \$3.80 = \$91.20$. The shop earned the most money from the sale of Pistachio ice-cream. The amount earned was \$151.20. ANS : (a) $\frac{8}{53}$ (b) Favour : Pistachio Amount : \$151.20
Q13	Assume Helen spent \$(2u), we then have, Ken: Amount at first 5u + 13; Amount spent 4u; Amount left u + 13 Helen: Amount at first 4u + 26; Amount spent 2u; Amount left 2u + 26 Total: Amount at first 9u + 39 ∴ $9u + 39 = 345$, $9u = 345 - 39 = 306$, $u = 306 \div 9 = 34$. (a) Ken spent \$(4u) = \$(4 × 34) = \$136. (b) Helen had \$(4u + 26) = \$(4 × 34 + 26) = \$162. ANS : (a) \$136 (b) \$162

Q14	After two days, Peter had read ⅔ of the book. $\frac{2}{3} - \frac{1}{4} = \frac{5}{12} \Rightarrow$ 50 pages. Total number of pages = $50 \times \frac{12}{5} = 120$. ANS : 120 pages
Q15	(a) Length of Figure A (square) = $\sqrt{81}$ = 9 m. $\therefore$ Length of Figure B = $9 \div 2 \times 3 = 13.5$ m. (b) Breadth of Figure B = $81 \div 13.5 = 6$ m. Length of path in Figure C = $2106 \div 6 = 351$ m. Perimeter the path = $2 \times (351 + 6) = 2 \times 357 = 714$ m. ANS : (a) 13.5 m (b) 714 m