



**CATHOLIC HIGH SCHOOL**  
**END-OF-YEAR EXAMINATION (2025)**  
**PRIMARY FIVE**  
**MATHEMATICS**  
**PAPER 1**  
**(BOOKLET A)**

Name : \_\_\_\_\_ ( )

Class : Primary 5 \_\_\_\_\_

Date : 28 October 2025

Total time for Booklet A and B : 1 h 10 min

18 questions

26 marks

Parent's signature : \_\_\_\_\_

**INSTRUCTIONS TO CANDIDATES**

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

The use of calculators is **NOT** allowed.

This booklet consists of 9 printed pages and 1 blank page.



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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. All diagrams are not drawn to scale. (26 marks)

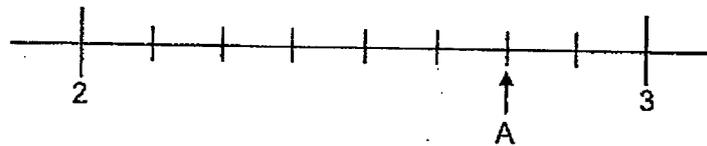
1. Which of the following is six million, eight hundred and five thousand and fourteen in numerals?

- (1) 6 805 014
- (2) 6 805 040
- (3) 6 850 014
- (4) 6 850 040

2. Round 28 513 to the nearest thousand.

- (1) 20 000
- (2) 28 000
- (3) 29 000
- (4) 30 000

3. In the number line, what is the value represented by A?

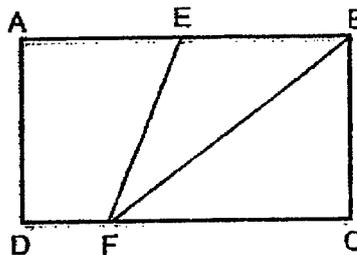


- (1)  $2\frac{1}{4}$
- (2)  $2\frac{3}{4}$
- (3)  $2\frac{3}{5}$
- (4)  $2\frac{7}{9}$

4. Find the value of  $40 \times 52$

- (1) 208
  - (2) 280
  - (3) 2018
  - (4) 2080
- 

5. ABCD is a rectangle. E is a point on line AB. F is a point on line CD. Which is the height of triangle EBF when EB is the base of triangle EBF?



- (1) AD
  - (2) BF
  - (3) CF
  - (4) EF
- 

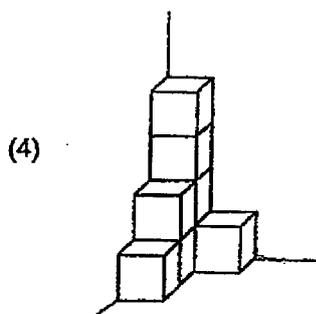
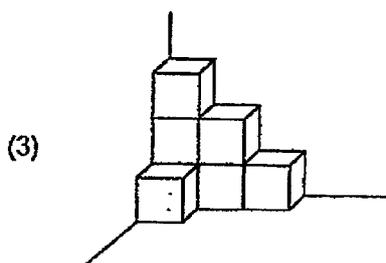
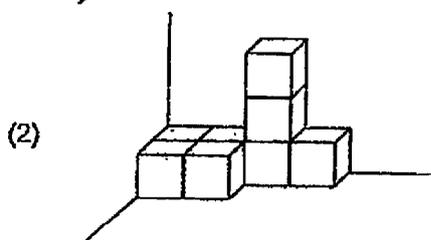
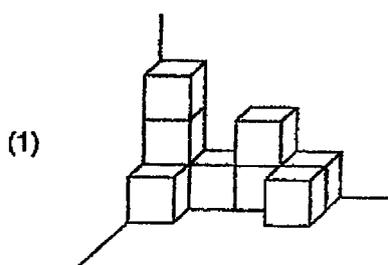
6. Which of the following is closest to 1?

- (1)  $\frac{2}{3}$
  - (2)  $\frac{6}{7}$
  - (3)  $\frac{3}{4}$
  - (4)  $\frac{4}{5}$
-

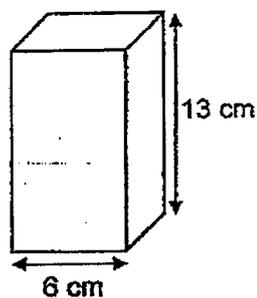
7. Express 0.8 as a percentage.

- (1) 0.008%
- (2) 0.8%
- (3) 8%
- (4) 80%

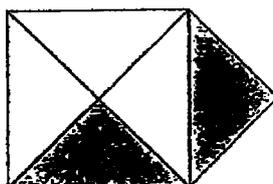
8. The following solids are made up of identical cubes. Which solid has the greatest volume?



9. A cuboid of height 13 cm has a square base of side 6 cm. What is the volume of the cuboid?



- (1)  $25 \text{ cm}^3$   
(2)  $78 \text{ cm}^3$   
(3)  $468 \text{ cm}^3$   
(4)  $1014 \text{ cm}^3$
- 
10. The figure below is made up of 5 identical triangles. What percentage of the figure below is shaded?



- (1) 50%  
(2) 20%  
(3) 60%  
(4) 40%
-

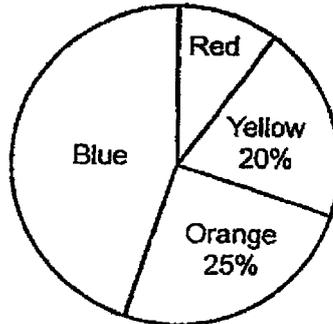
11. Find the value of  $70 - 50 \div (10 - 8) + 8$

- (1) 18
  - (2) 2
  - (3) 37
  - (4) 53
- 

12. A printer prints 150 pages in 5 minutes. At this rate, how many minutes will the same printer take to print 540 pages?

- (1) 18
  - (2) 20
  - (3) 30
  - (4) 90
- 

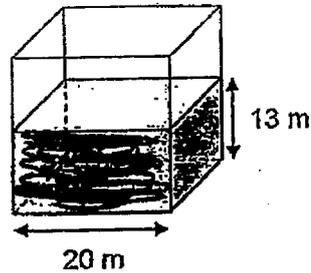
13. 40 children were asked to choose their favourite colour. Each child chose only 1 colour. The pie chart shows the children's choices.



What was the total number of children who chose red colour and blue colour?

- (1) 14
  - (2) 18
  - (3) 22
  - (4) 55
-

14. A cubical tank of side 20 m is partially filled with water as shown. The height of the water level is 13 m.



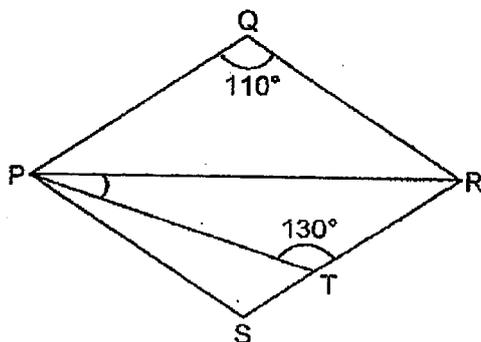
How much water is needed to fill the tank completely?

- (1) 2800 m<sup>3</sup>  
(2) 4000 m<sup>3</sup>  
(3) 5200 m<sup>3</sup>  
(4) 8000 m<sup>3</sup>
- 
15. Mr Bala is 47 years old and his daughter is 23 years old now. How old was Mr Bala's daughter when he was 4 times as old as she was?
- (1) 6  
(2) 8  
(3) 14  
(4) 32
-

16.  $\frac{3}{5}$  of the balloons at a party are pink.  $\frac{1}{4}$  of the remainder are blue and the rest are yellow. There are 160 balloons altogether. How many balloons are yellow?

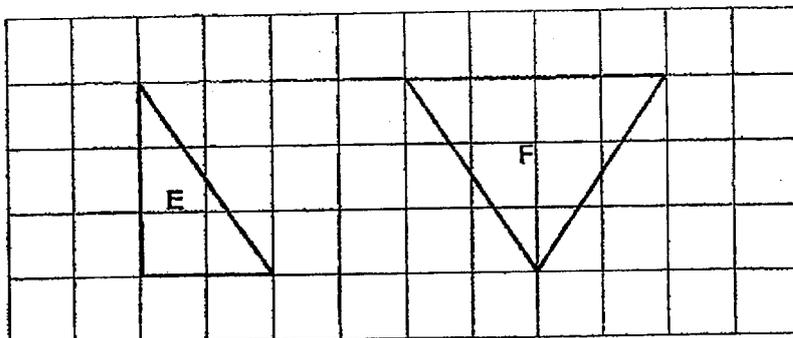
- (1) 16  
 (2) 24  
 (3) 48  
 (4) 96

17. PQRS is a rhombus. T is a point on line RS.  $\angle PQR = 110^\circ$  and  $\angle PTR = 130^\circ$ . Find  $\angle TPR$ .



- (1)  $15^\circ$   
 (2)  $17.5^\circ$   
 (3)  $20^\circ$   
 (4)  $35^\circ$

18. Two triangles, E and F are shown in the square grid below.



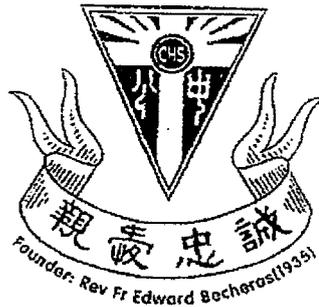
Which of the following statement(s) is/are true?

- A. Triangle E is an isosceles triangle.
- B. Triangle F is an equilateral triangle.
- C. All the angles in Triangle F are acute angles.

- (1) A only
- (2) C only
- (3) A and C only
- (4) B and C only

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END OF BOOKLET A



**CATHOLIC HIGH SCHOOL**  
**END-OF-YEAR EXAMINATION (2025)**  
**PRIMARY FIVE**  
**MATHEMATICS**  
**PAPER 1**  
**(BOOKLET B)**

Name : \_\_\_\_\_ ( )

Class : Primary 5 \_\_\_\_\_

Date : 28 October 2025

Total time for Booklet A and B : 1 h 10 min

12 questions

24 marks

Parent's signature : \_\_\_\_\_

BOOKLET A	26
BOOKLET B	24
<b>Total Marks</b>	<b>50</b>

**INSTRUCTIONS TO CANDIDATES**

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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. All diagrams are not drawn to scale. (24 marks)

Do not write  
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19. Find the value of  $3 \div 7$ . Round your answer to 2 decimal places.

Ans: \_\_\_\_\_

20. A rectangular piece of paper is 2 m long and  $\frac{7}{8}$  m wide. What is the area of the piece of paper? Express your answer as a mixed number in its simplest form.

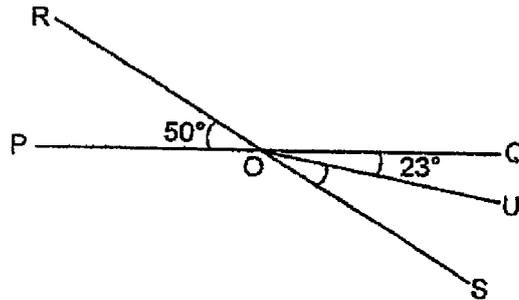
Ans: \_\_\_\_\_ m<sup>2</sup>

21. A piece of string is 780 cm long. It is cut into 30 equal pieces. What is the length of each smaller piece of the string in metres?

Do not write  
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Ans: \_\_\_\_\_ m

22. In the figure below, POQ and ROS are straight lines. Find  $\angle UOS$ .



Ans: \_\_\_\_\_ °

23. Mr Ho deposits \$8200 in a bank for one year. The bank offers an interest rate of 2% per year. How much money will he have in his savings account at the end of one year?

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Ans: \$ \_\_\_\_\_

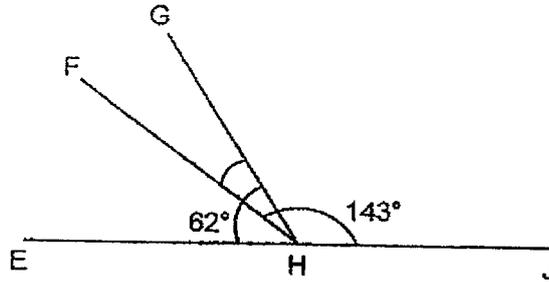
24. The table below shows the charges for bicycle rental.

Bicycle Rental Charges	
For the first hour	\$10
For every additional $\frac{1}{2}$ hour or part thereof	\$2.50

Henry rented a bicycle from 2.00 p.m. to 3.45 p.m. on the same day. How much did he pay in total for the rental of a bicycle?

Ans: \$ \_\_\_\_\_

25. EHJ is a straight line.  $\angle FHJ = 143^\circ$  and  $\angle EHG = 62^\circ$ . Find  $\angle FHG$ .



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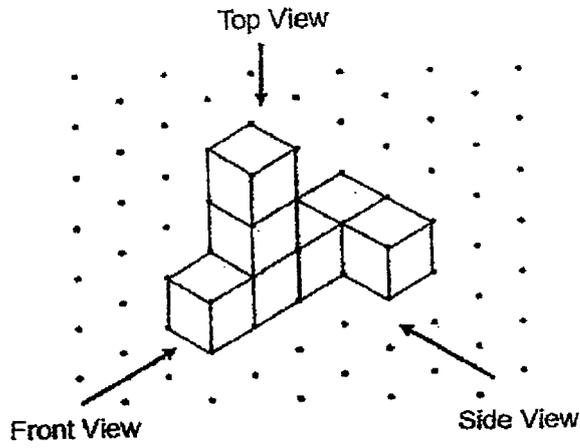
Ans: \_\_\_\_\_ °

26. Lucy had 2 m of ribbon. She used  $\frac{1}{4}$  of the ribbon to tie a present. Then she used  $\frac{2}{5}$  m of the ribbon to tie her hair. What was the length of the remaining ribbon? Give your answer in metres.

Ans: \_\_\_\_\_ m

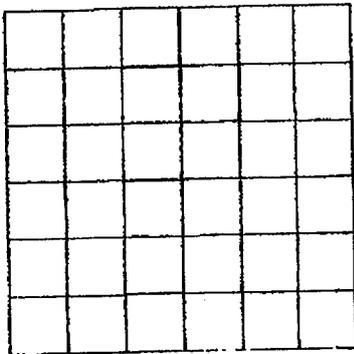
27. 7 unit cubes were stacked and glued together to form the solid below.

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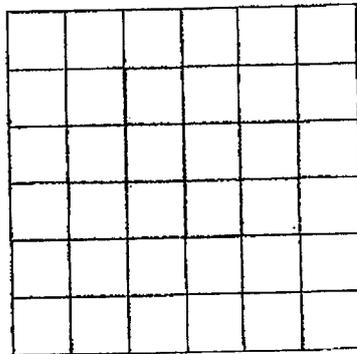


Draw the top view and the side view of the solid on the grids below.

Top view

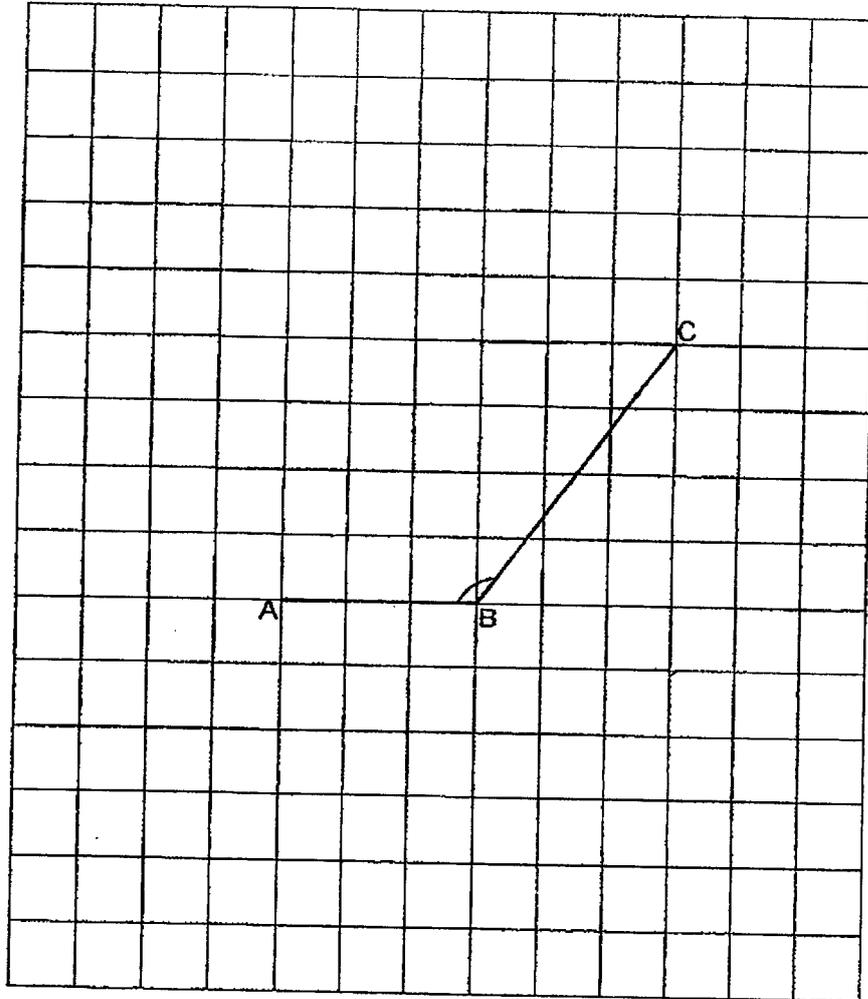


Side view



28. On the square grid, AB and BC are straight lines. Both lines are part of a parallelogram ABCD.

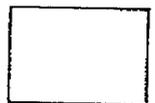
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- (a) Measure and write down the size of  $\angle ABC$ .

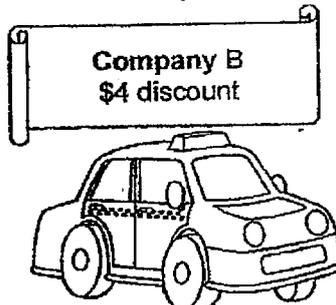
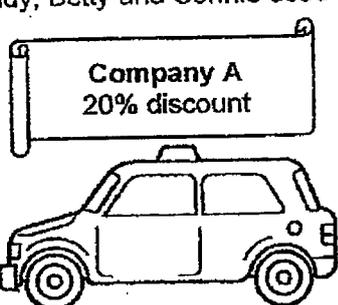
Ans: (a) \_\_\_\_\_ °

- (b) Using the given lines, AB and BC, complete the drawing of the parallelogram ABCD with  $AB \parallel DC$  and  $BC \parallel AD$  on the square grid.



29. Two transport companies offer discounts for their transport services. Andy, Betty and Connie used the services for their trips.

Do not write in this space



Andy paid for services from Company A for his trip while Betty paid for services from Company B for her trip. Both trips cost \$10 before discount. Connie paid for services from Company B for her trip which cost \$20 before discount.

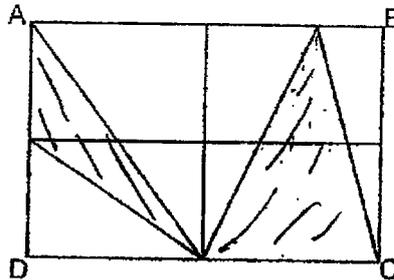
Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
Andy paid more than Betty for the trip after discount.			
Connie paid twice as much as Betty for her trip after discount.			

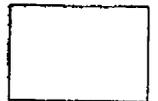


30. ABCD is made up of 4 identical rectangles. The total area of the shaded parts is  $36 \text{ cm}^2$ . Find the total area of the unshaded parts.

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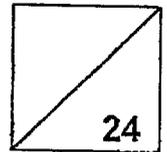


Ans: \_\_\_\_\_  $\text{cm}^2$



Total marks for questions 19 to 30

END OF BOOKLET B  
END OF PAPER 1





**CATHOLIC HIGH SCHOOL**  
**END-OF-YEAR EXAMINATION (2025)**  
**PRIMARY FIVE**  
**MATHEMATICS**  
**PAPER 2**

Name : \_\_\_\_\_ ( )

Class : Primary 5 \_\_\_\_\_

Date : 28 October 2025

Total time : 1 h 20 min

15 questions

50 marks

Parent's signature : \_\_\_\_\_

PAPER 1 BOOKLET A	26
PAPER 1 BOOKLET B	24
PAPER 2	50
<b>Total Marks</b>	<b>100</b>

**INSTRUCTIONS TO CANDIDATES**

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

The use of an approved calculator is expected, where appropriate.

This booklet consists of 14 printed pages.

Questions 1 to 5 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. All diagrams are not drawn to scale.

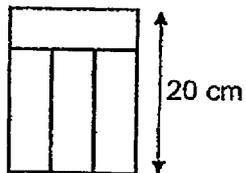
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(10 marks)

1. Mrs Tay had a container of flour. She used  $2\frac{1}{2}$  kg of flour to bake some butter cakes. She then bought  $\frac{2}{5}$  kg of flour and had  $2\frac{5}{8}$  kg of flour in the end. How much flour did Mrs Tay have in the container at first?

Ans: \_\_\_\_\_ kg

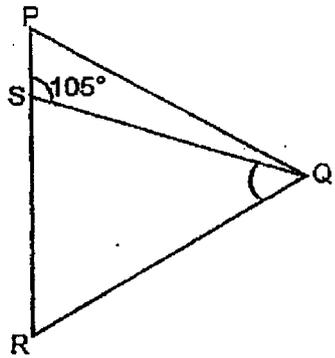
2. The figure is made of 4 identical rectangles. What is the area of one such rectangle?



Ans: \_\_\_\_\_ cm<sup>2</sup>

3. PQR is an equilateral triangle. S is a point on line PR.  $\angle PSQ = 105^\circ$ . Find  $\angle SQR$ .

Do not write in this space



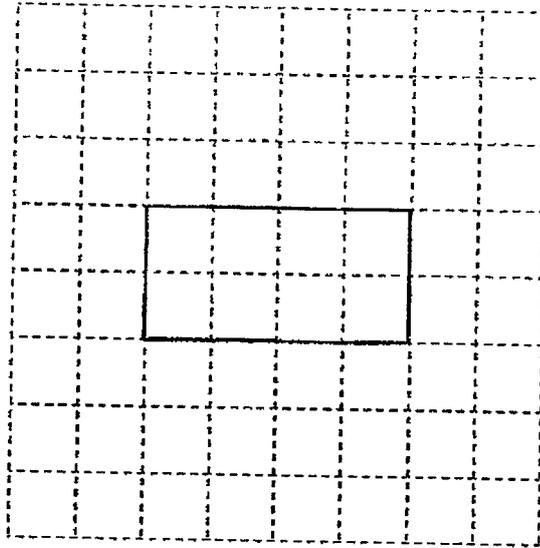
Ans: \_\_\_\_\_°

4. Mrs Tan bought a bracelet that cost \$890 before GST. How much did Mrs Tan pay for the bracelet inclusive of the 9% GST?

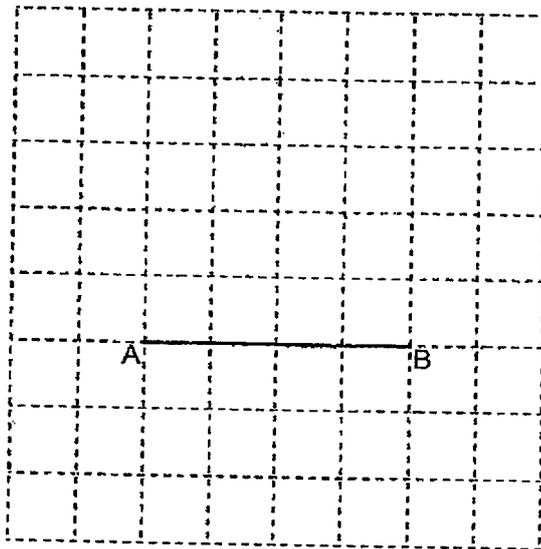
Ans: \$ \_\_\_\_\_

5. A rectangle is drawn in the square grid below.

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in this space



In the square grid below, draw a triangle that has the same area as the rectangle shown above. The triangle must have AB as one of its side.

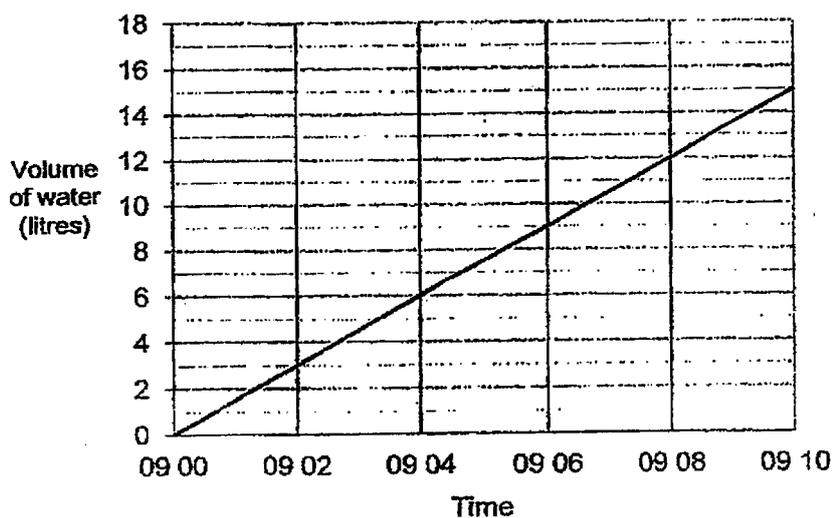


For questions 6 to 15, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

(40 marks)

Do not write  
in this space

6. A tap was turned on at 09 00 to fill a tank. The tap was then turned off at 09 10. The tank was  $\frac{5}{8}$  filled with water. The line graph shows the volume of water in the tank over 10 minutes.



- (a) What was the rate of flow of water from the tap in litres per minute?

Ans: \_\_\_\_\_  $\ell / \text{min}$  [1]

- (b) At this rate, how many minutes would it take for the tap to fill the tank completely after 09 10?

Ans: \_\_\_\_\_ min [2]

7. Doris paid \$7.30 for 1 notebook and 3 identical staplers. Ahmad paid \$15.90 for 3 such notebooks and 5 such staplers. What was the cost of 1 such stapler?

Do not write  
in this space

Ans: \$ \_\_\_\_\_ [3]

8. Darryl had 34 more marbles than Hanson at first. After Hanson gave 112 marbles to Darryl, Darryl had three times as many marbles as Hanson. How many marbles did Darryl have at first?

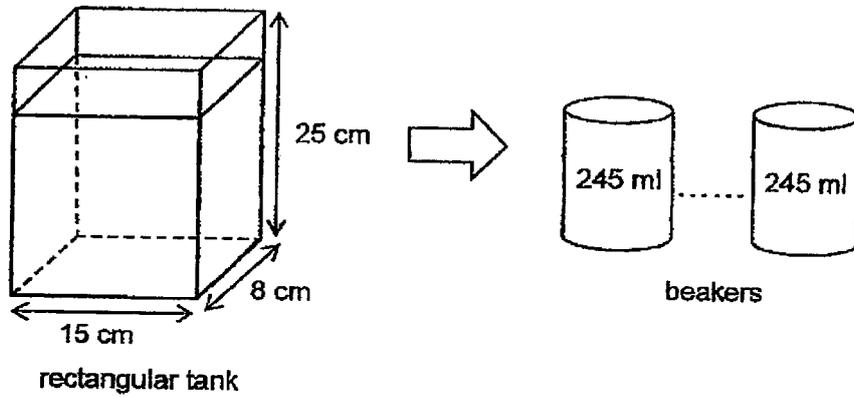
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Ans: \_\_\_\_\_ [3]



9. A rectangular tank measuring 15 cm by 8 cm by 25 cm was  $\frac{5}{6}$  filled with water as shown below. The water in the tank was then poured into as many identical beakers as possible. The capacity of each beaker was 245 ml and each beaker was filled with water completely. Some water was left in the tank in the end.

Do not write  
in this space



- (a) What was the greatest number of beakers that were completely filled with water?

Ans: (a) \_\_\_\_\_ [3]

- (b) How much water was left in the tank in the end? Give your answer in litres.

Ans: (b) \_\_\_\_\_ [1]

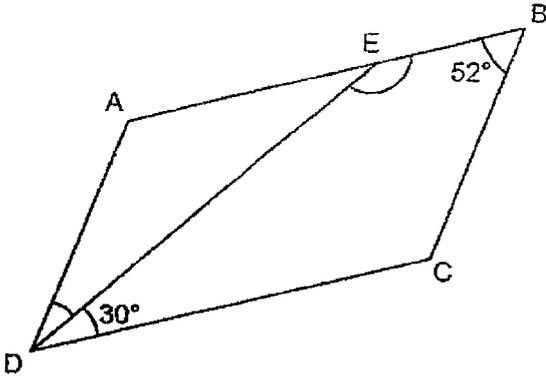
10. Ally and Bryan had the same number of stickers at first. When Ally gave away  $\frac{1}{3}$  of her stickers and Bryan gave away  $\frac{3}{5}$  of his stickers, Bryan had 76 fewer stickers than Ally. How many stickers did each of them have at first?

Do not write  
in this space

Ans: \_\_\_\_\_ [4]



11. ABCD is a parallelogram. E is a point on line AB.



(a) Find  $\angle ADE$ .

Ans: (a) \_\_\_\_\_  $^\circ$  [2]

(b) Find  $\angle DEB$ .

Ans: (b) \_\_\_\_\_  $^\circ$  [2]

Do not write  
in this space

12. Susie had a total of 42 twenty-cent and one-dollar coins. She used some of the coins to buy 4 books at \$4 each and had \$14.80 left.

Do not write  
in this space

(a) How much money did Susie have at first?

Ans: (a) \$ \_\_\_\_\_ [2]

(b) How many one-dollar coins did Susie have at first?

Ans: (b) \_\_\_\_\_ [3]

13. There were twice as many children as adults at a carnival. Each child was given 5 game coupons and each adult was given 3 game coupons. 679 more game coupons were given to the children than to the adults. How many children were there at the carnival?

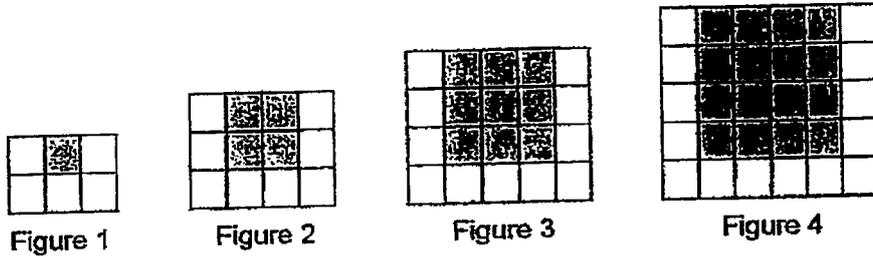
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Ans: \_\_\_\_\_ [4]



14. Shaded squares and unshaded squares are used to form the following pattern. The first four figures of the pattern are shown below.

Do not write in this space



The table below shows the number of shaded squares and unshaded squares used for each figure.

Figure Number	Number of shaded squares	Number of unshaded squares
1	1	5
2	4	8
3	9	11
4	16	14
5		

[1]

- (a) Complete the table for Figure 5.
- (b) How many shaded squares are used to form the pattern for Figure 12?
- (c) A figure in the pattern has 65 unshaded squares. What is the figure number?

Ans: (b) \_\_\_\_\_ [2]

Ans: (c) \_\_\_\_\_ [2]

15. A total of 1474 adults and children participated in a carnival run.  $\frac{3}{5}$  of the male participants were boys and  $\frac{1}{2}$  of the female participants were girls. There was an equal number of boys and girls.

(a) How many boys participated in the run?

Ans: (a) \_\_\_\_\_ [3]

- (b) 144 women did not complete the run. How many adults completed the run altogether?

Ans: (b) \_\_\_\_\_ [2]

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END OF PAPER 2

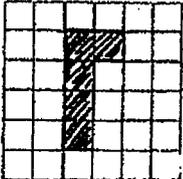
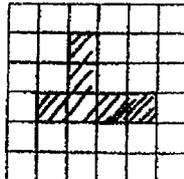
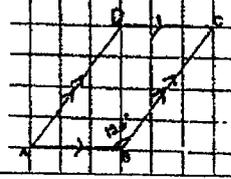


YEAR : 2025  
 LEVEL : PRIMARY 5  
 SCHOOL : CATHOLIC HIGH SCHOOL  
 SUBJECT : MATHEMATICS  
 TERM : END-OF-YEAR EXAMINATION

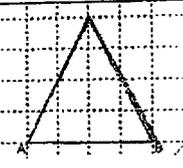
**BOOKLET A**

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

**BOOKLET B**

Q19	0.43			Q20	$\frac{7}{8} + \frac{7}{8} = \frac{14}{8}$ $= 1\frac{3}{4}$	
Q21	$780 \div 30 = 780 \div 3 \div 10$ $= 78 \div 3 = 26$ 26cm = 0.26m			Q22	$\angle UOS = 50^\circ - 23^\circ = 27^\circ$	
Q23	$\frac{102}{100} \times 8200 = \$8364$			Q24	$10 + 2.5 + 2.5 = \$15$	
Q25	$180^\circ - 143^\circ = 37^\circ$ $180^\circ - 62^\circ = 118^\circ$ $180^\circ - 118^\circ - 37^\circ = 25^\circ$			Q26	$\frac{1}{4} \times 2u = \frac{1}{4} \times \frac{2}{1} = \frac{1}{2}$ $2 - \frac{1}{2} - \frac{2}{5} = 1 - \frac{1}{10} - \frac{5}{10} - \frac{4}{10} = 1 - \frac{1}{10} = \frac{9}{10} \text{ m}$	
Q27	<p>Top view</p>  <p>Side view</p> 			Q28	<p>a) a) <math>126^\circ</math></p>  <p>b)</p>	
Q29	Statement	True	False	Not possible to tell	Q30	$3u = 36$ $1u = 36 \div 3 = 12$ $5u = 12 \times 5 = 60\text{cm}^2$
	Andy paid more than Betty for the trip after discount	✓				
	Connie paid twice as much as Betty for her trip after discount.		✓			

## Paper 2

Q1	$2\frac{5}{8} - \frac{2}{5} = 2\frac{25}{40} - \frac{16}{40} = 2\frac{9}{40}$ $2\frac{9}{40} + 2\frac{1}{2} = 2\frac{9}{40} + 2\frac{20}{40} = 4\frac{29}{40} \text{ kg}$	Q2	$4u = 20$ $1u = 20 \div 4 = 5$ $3u = 5 \times 3 = 15$ $15 \times 5 = 75 \text{ cm}^2$						
Q3	$\angle PQS = 180^\circ - 105^\circ - 60^\circ = 15^\circ$ $\angle SQP = 60^\circ - 15^\circ = 45^\circ$	Q4	$\frac{109}{100} \times 890 = \$970.10$						
Q5		Q6	a) $1.5 \lambda / \text{min}$ b) $5u = 15$ $1u = 15 \div 5 = 3$ $3u = 3 \times 3 = 9$ <b>ANS : 6min</b>						
Q7	$7.3 \times 3 = 21.9$ $4s = 21.9 - 15.9 = 6$ $1s = 6 \div 4 = \$1.50$	Q8	$2u = 112 \times 2 + 34 = 258$ $1u = 258 \div 2 = 129$ $3u = 129 \times 3 = 387$ $387 - 112 = 275$						
Q9	a) $\frac{5}{6} \times 25 = 20\frac{5}{6}$ $20\frac{5}{6} \times 8 \times 15 = 2500$ $2500 \div 245 = 10 \text{ R } 50$ <b>ANS : 10</b> b) $50 \text{ ml} = 0.050 \text{ L}$	Q10	$10u - 6u = 4u$ $4u = 76$ $1u = 76 \div 4 = 19$ $15u = 19 \times 15 = 285$						
Q11	a) $\angle ADE = 52^\circ - 30^\circ = 22^\circ$ b) $180^\circ - 52^\circ = 128^\circ$ $\angle DEB = 360^\circ - 52^\circ - 30^\circ$ $\quad \quad \quad - 128^\circ$ $\quad \quad \quad = 150^\circ$	Q12	a) $4 \times 4 = 16$ $16 + 14.8 = \$30.8$ b) $42 \times 0.2 = 8.4$ $30.8 - 8.4 = 22.4$ $22.4 \div 0.8 = 28$						
Q13	$5 + 5 = 10$ $10 - 3 = 7$ $679 \div 7 = 97$ $97 \times 2 = 194$	Q14	a) z <table border="1" data-bbox="997 1265 1380 1377"> <thead> <tr> <th>Figure number</th> <th>Number of shaded squares</th> <th>Number of unshaded squares</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>25</td> <td>17</td> </tr> </tbody> </table> b) $12 \times 12 = 144$ c) $65 - 20 = 45$ $45 \div 3 = 15$ $15 + 6 = 21$	Figure number	Number of shaded squares	Number of unshaded squares	5	25	17
Figure number	Number of shaded squares	Number of unshaded squares							
5	25	17							
Q15	a) $11u = 1474$ $1u = 1474 \div 11 = 134$ $3u = 134 \times 3 = 402$ b) $5u = 134 \times 5 = 670$ $670 - 144 = 526$								