A

PEI CHUN PUBLIC SCHOOL

END-OF-YEAR EXAMINATION, 2025

MATHEMATICS

PRIMARY 5

PAPER 1

(BOOKLET A)

Additional materials: Optical Answer Sheet (OAS) **Total Time For Booklets A & B : 1 h 10 min**

Name : _____ ( )

Class : Primary 5 / _____

Date : 28 October 2025

Maths Teacher: _____

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL THE QUESTIONS.

SHADE YOUR ANSWERS IN THE OPTICAL ANSWER SHEET (OAS) PROVIDED.

YOU ARE **NOT** ALLOWED TO USE A CALCULATOR.

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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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

(26 marks)

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1. What is the value of the digit 3 in 30 845?

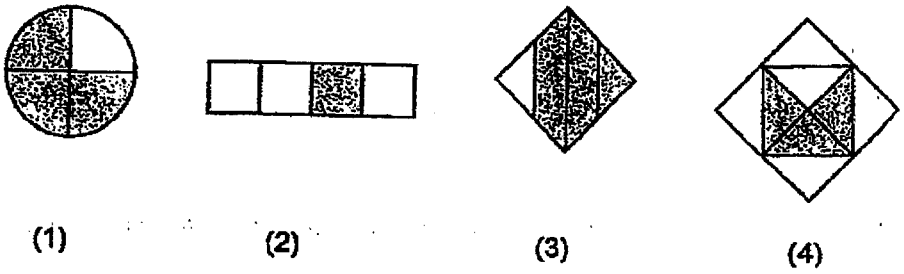
   (1) 30

   (2) 300

   (3) 3000

   (4) 30 000

2. Which of the following shows $\frac{3}{4}$ of the figure shaded?



(1) (2) (3) (4)

3. $70 + \frac{7}{10} + \frac{7}{1000} =$

   (1) 77.07

   (2) 70.77

   (3) 70.077

   (4) 70.707

4. Which of the following is the same as 80 kg 60 g?

   (1) 8060 g

   (2) 8600 g

   (3) 80 060 g

   (4) 80 600 g

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5. 23 men and 27 women attended a workshop for adults.
What percentage of the adults were women?

(1) 23%

(2) 27%

(3) 46%

(4) 54%

6. What is the missing number in the box?

$$\frac{2}{3} = \frac{8}{\boxed{?}}$$

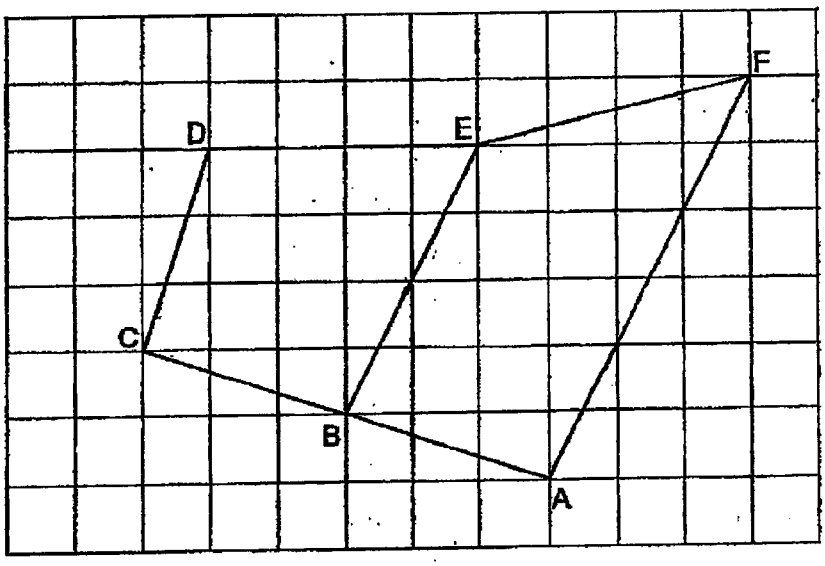
(1) 15

(2) 12

(3) 9

(4) 4

7. Which two lines in the square grid below are perpendicular to each other?



(1) AC and CD

(2) AC and AF

(3) BE and AB

(4) BE and AF

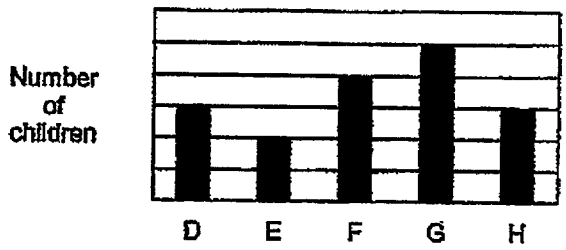
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8. The table shows the number of children who passed a badminton trial.

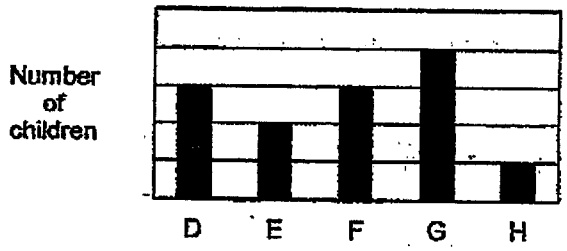
Group	D	E	F	G	H
Number of Children	10	5	15	20	10

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

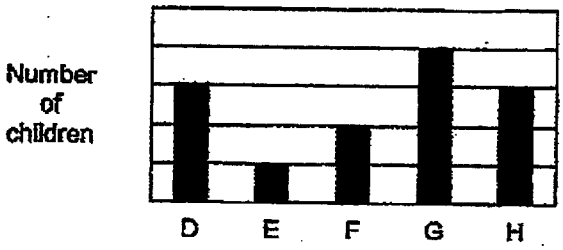
(1)



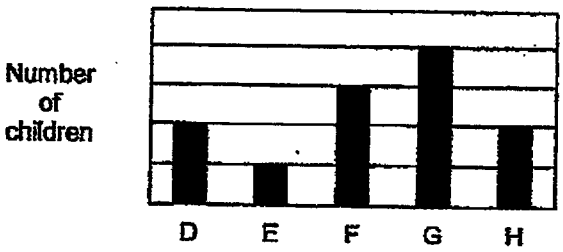
(2)



(3)

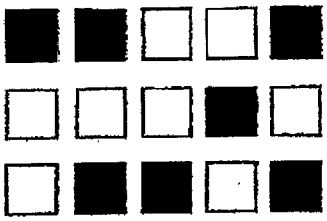


(4)



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9. What fraction of the squares are not shaded?



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

(2) $\frac{7}{8}$

(3) $\frac{7}{15}$

(4) $\frac{8}{15}$

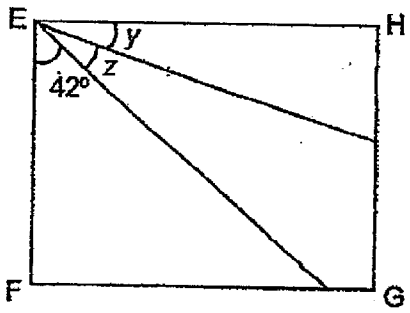
10. Arrange these fractions from the greatest to the smallest.

$\frac{9}{10}$, $\frac{8}{5}$, $1\frac{7}{10}$

	Greatest		Smallest
(1)	$1\frac{7}{10}$,	$\frac{9}{10}$,	$\frac{8}{5}$
(2)	$1\frac{7}{10}$,	$\frac{8}{5}$,	$\frac{9}{10}$
(3)	$\frac{8}{5}$,	$1\frac{7}{10}$,	$\frac{9}{10}$
(4)	$\frac{9}{10}$,	$\frac{8}{5}$,	$1\frac{7}{10}$

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11. In the figure, EFGH is a rectangle. $\angle y$ and $\angle z$ are equal.



Find $\angle z$.

(1) 48°

(2) 42°

(3) 24°

(4) 21°

12. Participants of a quiz must score as many points as possible to qualify for the second round. There were 180 participants in total. The table below shows the number of participants for each score.

Score	Number of Participants
0	18
1	19
2	17
3	18
4	54
5	23
6 or more	31

30% of the participants did not qualify for the second round. From the table above, what was the lowest score of a participant who qualified for the second round?

(1) 5

(2) 2

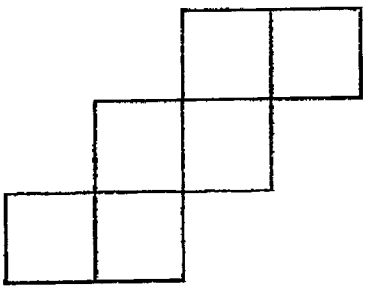
(3) 3

(4) 4

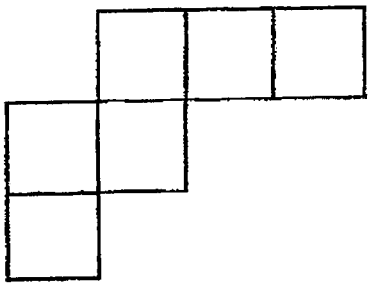
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13. Which of the following is not a net of the cube?

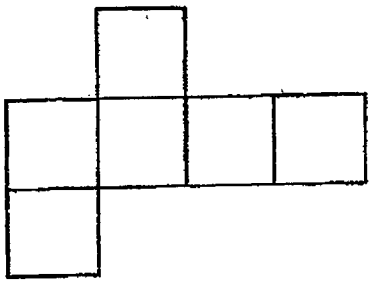
(1)



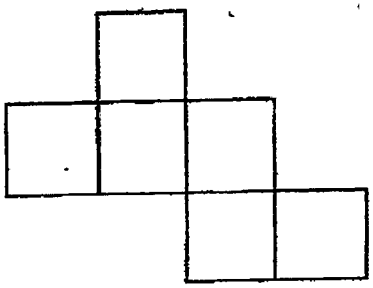
(2)



(3)



(4)



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14. Mandy and Peili went shopping together with a total sum of $72. Mandy spent twice as much as Peili. The amount Peili had left was $6 more than what she had spent. Peili had twice as much money left as Mandy. How much money did Peili have at first?

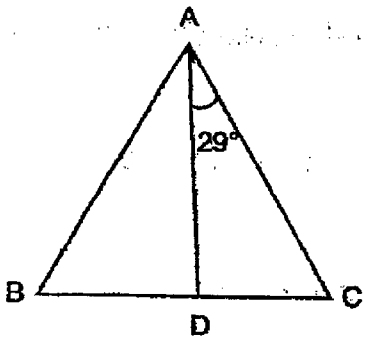
(1) $14

(2) $20

(3) $34

(4) $38

15. In the figure, ABC is an equilateral triangle. $\angle CAD = 29°$.



Which of the following statement is true?

(1) $\angle ACD = 29°$

(2) $\angle ADC = 91°$

(3) $\angle DAB = 29°$

(4) $\angle ADB = 90°$

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16. In a class, there are some boys and girls. $\frac{1}{3}$ of the girls and $\frac{2}{5}$ of the boys can swim. $\frac{4}{7}$ of the children who can swim are boys.
What fraction of the children cannot swim?

(1) $\frac{3}{7}$

(2) $\frac{7}{19}$

(3) $\frac{12}{19}$

(4) $\frac{19}{30}$

17. A repeated pattern is formed using the numbers 0 and 3. The first 17 numbers are given below.

3 3 0 3 0 3 3 0 3 0 3 3 0 3 0 3 3

1st 2nd 3rd ... 17th

What is the sum of the first 58 numbers?

(1) 99

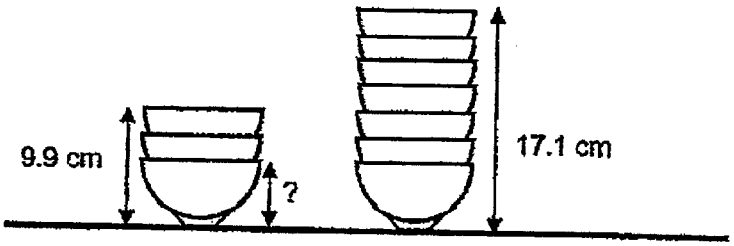
(2) 102

(3) 105

(4) 108

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18. The figure shows two stacks of identical bowls. There are 3 bowls in the shorter stack and 7 bowls in the taller stack. The height of the shorter stack is 9.9 cm and the height of the taller stack is 17.1 cm.



What is the height of 1 bowl?

(1) 6.3 cm

(2) 3.3 cm

(3) 2.7 cm

(4) 1.8 cm

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B

PEI CHUN PUBLIC SCHOOL

END-OF-YEAR EXAMINATION, 2025

MATHEMATICS

PRIMARY 5

PAPER 1

(BOOKLET B)

Total Time For Booklets A & B : 1 h 10 min

Name : _____ ( )

Class : Primary 5 /_____

Date : 28 October 2025

Maths Teacher: _____

INSTRUCTIONS TO CANDIDATES

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL QUESTIONS.

SHOW YOUR WORKING CLEARLY AS MARKS ARE AWARDED FOR CORRECT WORKING.

USE A DARK BLUE OR BLACK BALLPOINT PEN TO WRITE YOUR ANSWERS IN THE SPACE PROVIDED FOR EACH QUESTION.

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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. (24 marks)

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19. Tim cleaned his room from 7:30 am to 10:15 am. How much time did Tim spend cleaning his room? Give your answer in h and min.

Answer : _____ h _____ min

20. Max had 200 stickers. He gave 30% of them to his sister.
How many stickers did Max give to his sister?

Answer : _____

21. (a) Find the value of $\frac{2}{3} + \frac{1}{6}$

Answer : (a) _____

(b) Find the value of the value of 40 ÷ 8000. Leave your answer as a decimal.

Answer : (b) _____

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22. The table shows activities participated by the adults in a Community Centre.

Do not write in this space

Activities	Men	Women	Total
Yoga	8	9	17
Gardening	6	7	13
Calligraphy	10	6	16
Breadmaking	5	10	15

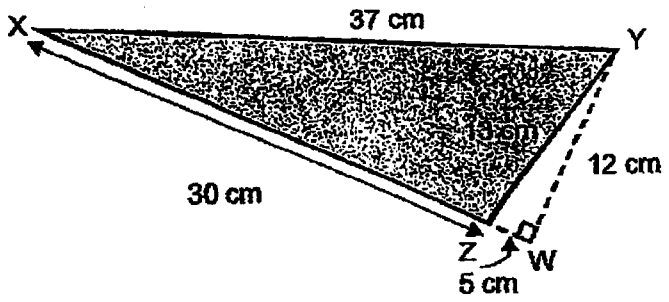
(a) Which activity has **more** men than women participating in?

Answer: (a) _____

(b) Which activity has the **most** number of adults participating in?

Answer: (b) _____

23. In the figure below, XYZ is triangle. Find the area of triangle XZY.



Answer : _____ cm^2

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24. Water leaks from a tap at a rate of 7 ml per second.
At this rate, how much water will leak from the tap in 1 minute?

Do not write in this space

Answer : _____ ml

25. (a) Find the value of $73 - 5 \times (3 + 4) + 2$

Answer: (a) _____

(b) Use all the digits 0, 5, 6 and 9 to form the number closest to 6000.

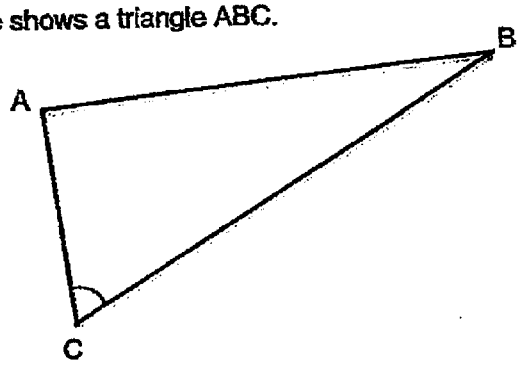
Answer: (b) _____

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26. The figure shows a triangle ABC.



Measure and write down

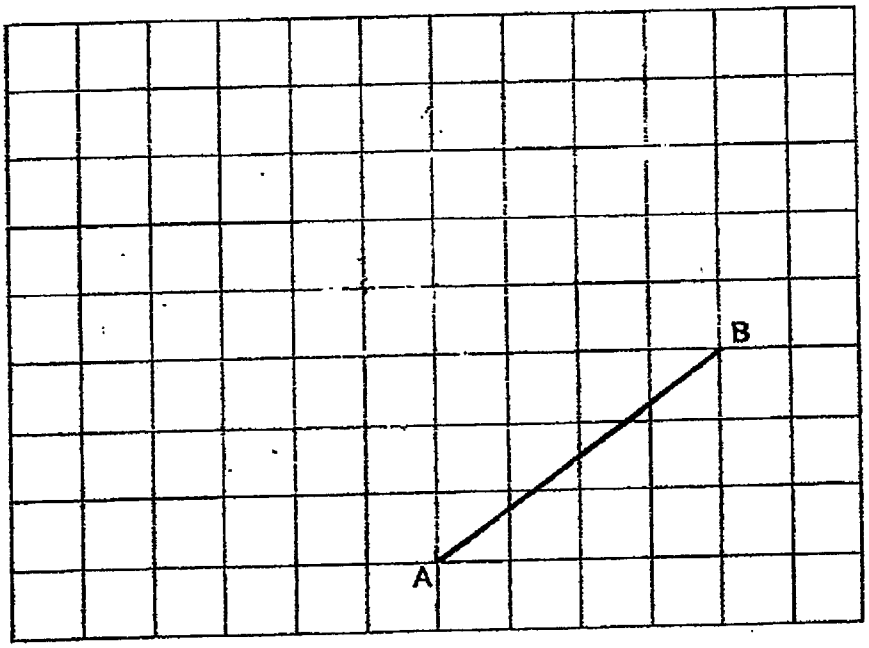
(a) the length of AB.

Answer: (a) _____ cm

(b) the size of ∠ACB.

Answer: (b) _____ °

27. Using the given line AB, complete a rhombus ABCD with AB parallel to CD on the square grid below.



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28. James had $\frac{7}{8}$ kg of sugar. He used $\frac{2}{5}$ of it to bake a cake.

How much sugar was he left with?

Do not write in this space

Answer : _____ kg

29. A group of 45 children shared a bag of sweets equally. 10 of them gave all their sweets to the other 35 children in the group. As a result, the other 35 children received 4 more sweets each. How many sweets were there in the bag?

Answer : _____

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30. There are 6 rectangles in Figure A. The total perimeter of the 6 rectangles in Figure A is 152 cm. The 6 rectangles are then put together to form a big square as shown in Figure B.

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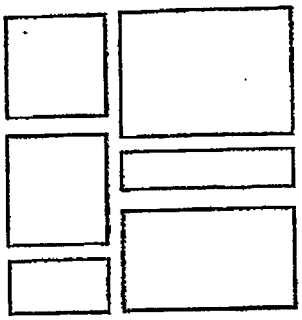


Figure A

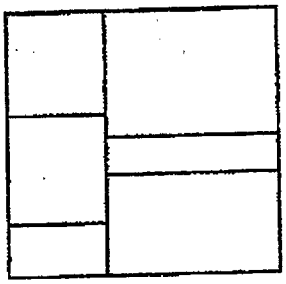


Figure B

Find the perimeter of Figure B.

Answer : _____ cm

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PEI CHUN PUBLIC SCHOOL

END-OF-YEAR EXAMINATION, 2025

MATHEMATICS

PRIMARY 5

PAPER 2

Time: 1 h 20 min

Name : _____ ( )

Class : Primary 5/_____

Date : 28 October 2025

Maths Teacher: _____

Parent's Signature: _____

Paper 1 (Booklet A)	/26
Paper 1 (Booklet B)	/24
Paper 2	/50
TOTAL	/100

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THE USE OF AN APPROVED CALCULATOR IS ALLOWED.

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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)

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1. Mrs Siva had 3.02 kg of flour. She used 60 g of it.
How many kilograms of flour was she left with?

Answer: _____ kg

2. The table below shows the postage charges for sending parcels to Country A.

Mass up to	Charges
2 kg	$24
4 kg	$31
6 kg	$42
8 kg	$50

Mrs Hong needs to send two different parcels separately to Country A.
The masses of the parcels are 4 kg and 7500 g. How much does she need to pay for the two parcels altogether?

Answer: $ _____

SCORE

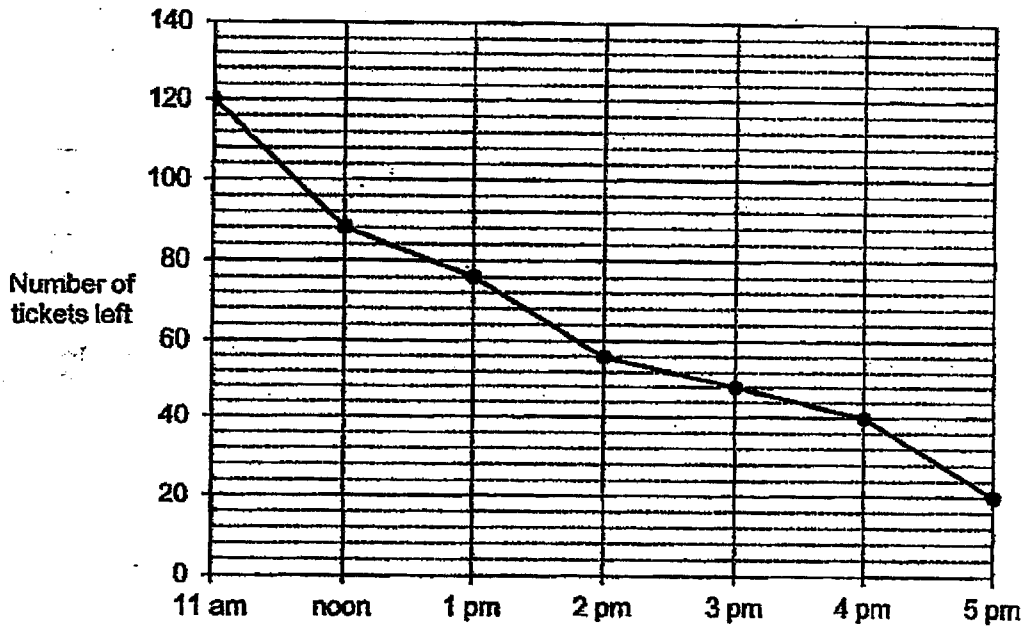
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3. The price of a printer before GST is $425.
What is the price of the printer including 9% GST?

Do not write in this space

Answer: $ _____

4. The line graph shows the number of concert tickets left for sale at the different times of the day.



Each ticket was sold at $88. How much money was collected from the sale of the tickets from 11 am to 2 pm?

Answer: $ _____

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5. Kumar had a rectangular piece of paper measuring 42 cm by 27 cm. He cut out as many squares as possible from the paper. The side of each square was 6 cm. How many squares did Kumar cut out?

Answer: _____

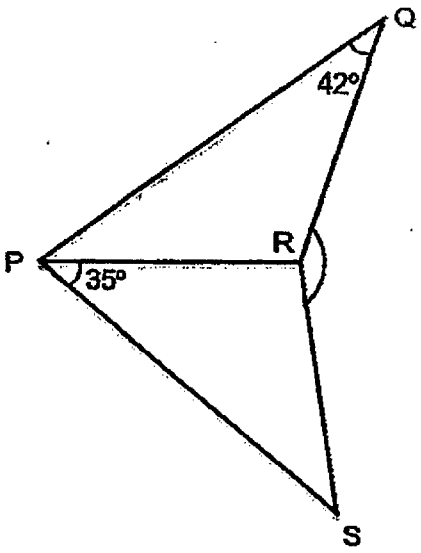
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For questions **6** to **15**, show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (40 marks)

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6. (a) In the figure below, QRP and PRS are isosceles triangles. Find ∠QRS.



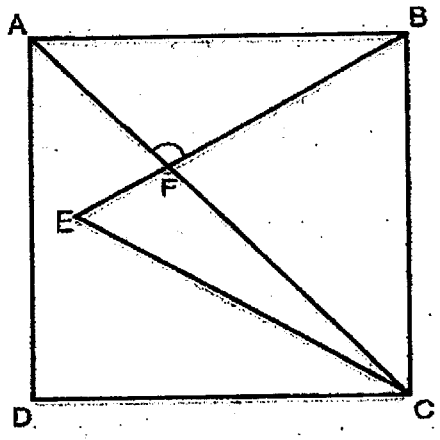
Answer: (a) _____ ° [3]

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(b) In the figure below, ABCD is a square, BEC is an equilateral triangle and AFC is a straight line. Find ∠AFB.

Do not write in this space



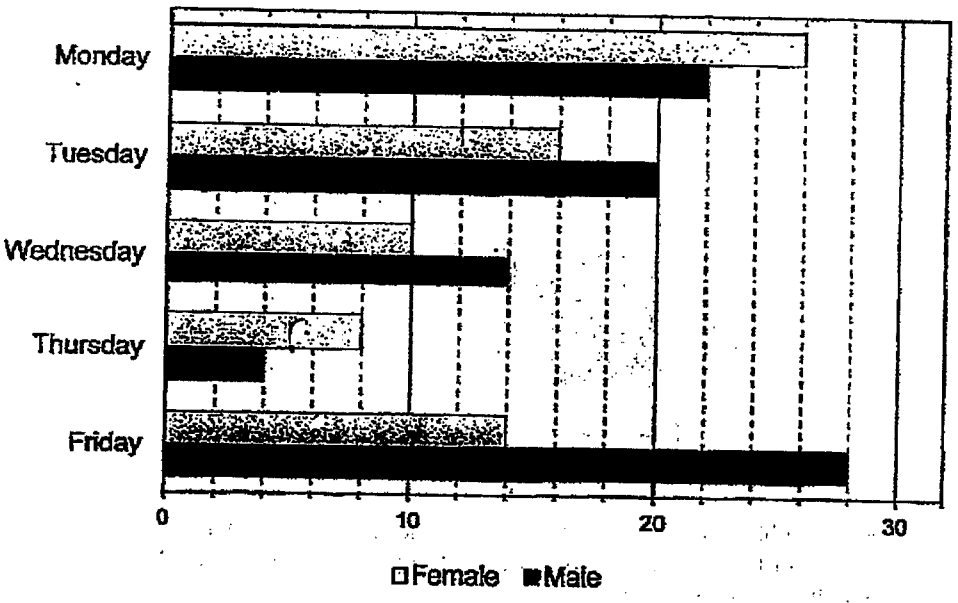
Answer: (b) _____ ° [2]

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7. The bar graph shows the number of patients who had visited a clinic during a certain week.

Do not write in this space



(a) On which day was there twice as many patients at the clinic as on Wednesday?

Answer: (a) _____ [1]

(b) What was the total number of female patients who visited the clinic on Monday and Tuesday?

Answer: (b) _____ [1]

(c) How many **more** patients visited the clinic on Friday than on Thursday?

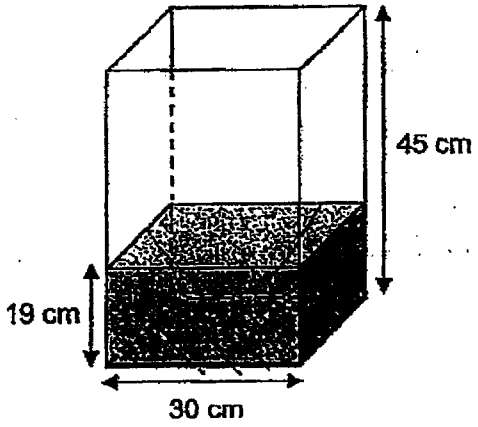
Answer: (c) _____ [1]

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8. A rectangular tank has a square base with sides 30 cm. The height of the tank is 45 cm. The tank is filled with water to a height of 19 cm.

Do not write in this space



Mrs Yap fills the tank to the brim with identical bottles filled with water. The capacity of each bottle is 320 ml. What is the smallest number of bottles needed to fill the tank to its brim?

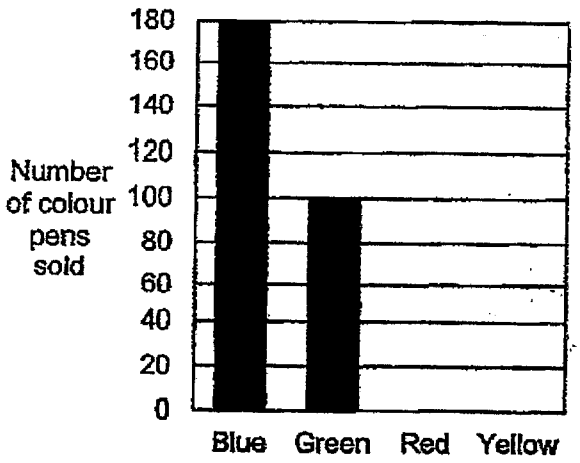
Answer: _____ [3]

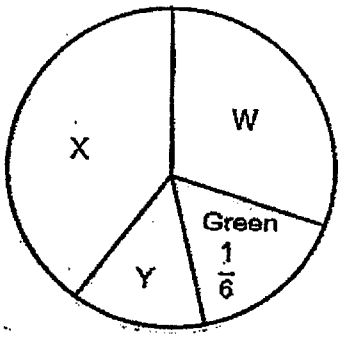
SCORE

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9. The bar graph and pie chart represent the number of colour pens sold. The bars for the number of red and yellow colour pens sold have not been drawn.

Do not write in this space





(a) What fraction of the number of colour pens sold was blue?
Give your answer in the simplest form.

Answer: (a) [2]

(b) The information is also represented by a pie chart above. The types of colour pens are represented in the pie chart by W, X and Y.

$\frac{2}{5}$ of the colour pens sold were yellow.

Fill in the blanks with the labels W, X and Y.

Types of colour pens	Blue	Red	Yellow
Label			

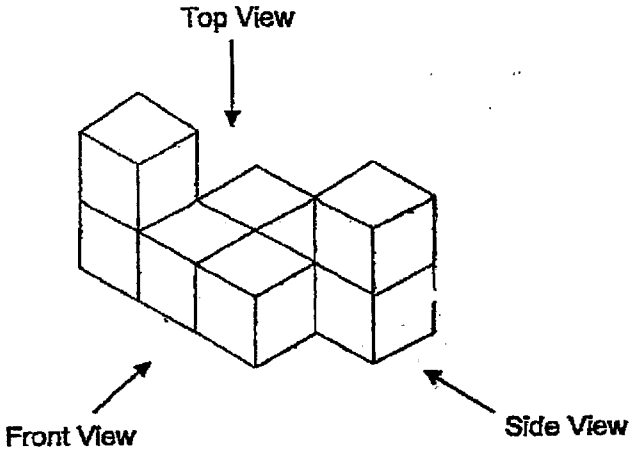
[2]

SCORE

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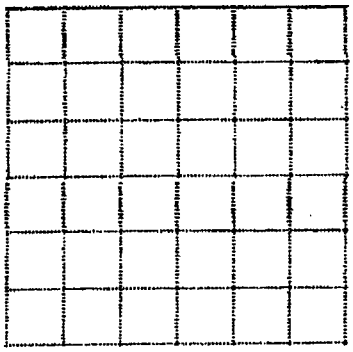
10. The solid below is made up of 8 cubes.

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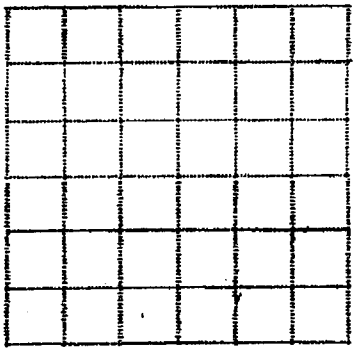


(a) Draw the front view and the side view of the solid on the grid below.

Front View



Side View



[2]

(b) Kim Seng painted the whole solid including the base. Then he took it apart into its 8 cubes. What is the total number of faces that are **not** painted?

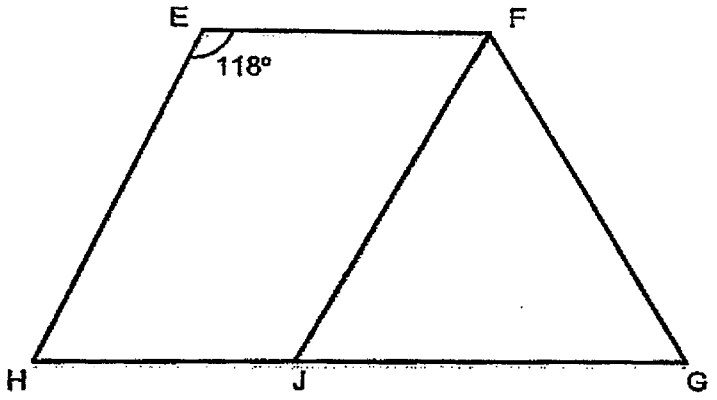
Answer: (b) _____ [2]

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11. (a) EFGH is a trapezium. FGJ is an equilateral triangle.
Find ∠EFG.

Do not write in this space



Answer: (a) _____ ° [2]

(b) Circle the words that describe EFJH correctly in the following statement.

EFJH (is / is not) a parallelogram because ∠FJH (is / is not) equal to 118°.

[1]

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12. Peter had some money. After giving \$1760 to his parents, he gave $\frac{5}{8}$ of the remaining money to his sister. He had $\frac{1}{6}$ of his money left.
How much more money did he give his parents than his sister?

Do not write in this space

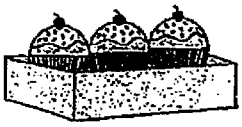
Answer: \$ _____ [4]

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13. In a bakery, muffins are sold in boxes of 3 for $3.20 and cookies are sold in bags of 4 for $2.50.

Do not write in this space



A box of 3 muffins
$3.20



A bag of 4 cookies
$2.50

(a) Suresh wants to buy the same number of muffins and cookies.
What is the least amount of money that he will need to spend?

Answer: (a) $ _____ [2]

(b) Gill bought 16 more cookies than muffins from the bakery. The total number of muffins and cookies she bought was fewer than 50.
How much did Gill spend on the muffins and cookies altogether?

Answer: (b) $ _____ [3]

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14. Mr See had a total of 810 apples and oranges. He had 4 times as many oranges as apples. He sold 459 oranges and some apples. In the end, he had 3 times as many oranges as apples left. How many apples did Mr See sell?

Do not write in this space

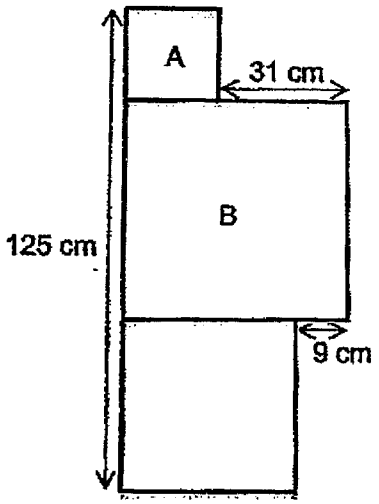
Answer: _____ [4]

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15. The figure below is made up of 3 different squares.

Do not write in this space



(a) What is the difference in the length of square A and C?

Answer: (a) _____ cm [2]

(b) Find the perimeter of the figure.

Answer: (b) _____ cm [3]

End of Paper

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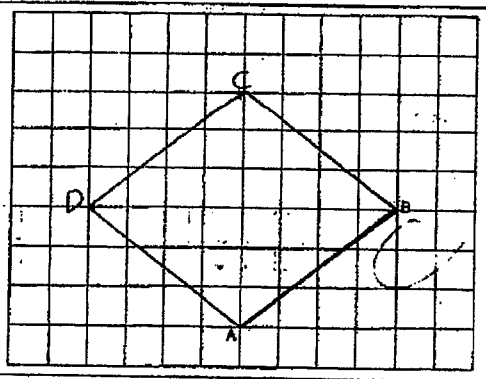
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YEAR : 2025
LEVEL : PRIMARY 5
SCHOOL : PEI CHUN PUBLIC SCHOOL
SUBJECT : MATHEMATICS
TERM : END-OF-YEAR EXAMINATION

(BOOKLET A)

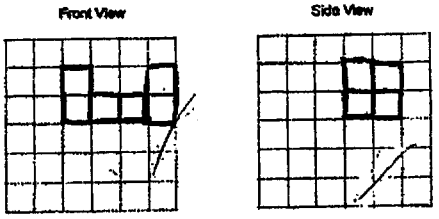
Q1	4	Q2	1	Q3	4	Q4	3	Q5	4
Q6	2	Q7	1	Q8	4	Q9	4	Q10	2
Q11	3	Q12	3	Q13	2	Q14	3	Q15	2
Q16	3	Q17	3	Q18	1				

(BOOKLET B)

Q19	2h 45 min	Q20	gave $\rightarrow \frac{30}{100} \times 200$ $= 60$
Q21	a) $\frac{2}{3} + \frac{1}{6} = \frac{4}{6} + \frac{1}{6}$ $= \frac{5}{6}$ b) $\frac{40}{8000} = \frac{1}{200}$ $= 0.005$	Q22	a) Calligraphy b) Yoya
Q23	Area $= \frac{1}{2} \times 30 \times 12$ $= 15 \times 12 = 180\ cm^2$	Q24	1 second $\rightarrow$ 7ml 1 minute $\rightarrow$ 60s 60s $\rightarrow$ 7ml $\times$ 60 = 420ml
Q25	a) $73 - 5 \times (3 + 4) + 2$ $= 73 - 5 \times 7 + 2$ $= 73 - 35 + 2$ $= 38 + 2$ $= 40$ b) 5960	Q26	a) 6.5cm b) 66°
Q27		Q28	Used $\rightarrow \frac{2}{5} \times \frac{7}{8}$ $= \frac{14}{40}$ Left $\rightarrow \frac{7}{8} - \frac{14}{40}$ $= \frac{35}{40} - \frac{14}{40}$ $= \frac{21}{40}$kg
Q29	? sweets $\rightarrow$ 35 x 4 = 140 1u $\rightarrow$ 14 45 x 14 = 630 sweets	Q30	Total perimeter of 6 rectangle = 152 cm $\frac{152}{4} = 38$ 4 x 38 = 152 cm

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PAPER 2

<table>
<tr><td>Q1</td><td>Convert → 60 ÷ 1000
= 0.060
Left → 3.02 – 0.060
= 2.96 kg</td><td>Q2</td><td>Convert → 7500 ÷ 1000
= 7.500
Pay altogether → 50 + 31
= $81</td></tr>
<tr><td>Q3</td><td>Total % → 100 + 9 = 109
Price → $\frac{109}{100} \times 425 = \$463.25$</td><td>Q4</td><td>Tickets left at :
11 am: 120
2 pm: 60
Ticket sold: 120 – 60 = 60
Each ticket = $88
60 x 88 = $5280</td></tr>
<tr><td>Q5</td><td>42 ÷ 6 = 7
27 ÷ 6 = 4
7 x 4 = 28 squares</td><td>Q6</td><td>a) ∠PRS → 180 – 35 – 35
= 110°
∠QRP → 180 – 42 – 42
= 96°
∠QRS → 360 – 110 – 96
= 154°
b) ∠ABC = 90°
∠EBC = 60°
∠ABF = 90 – 60 = 30
∠BAF = 45°
∠ABF = 30°
∠AFB = 180 – (45 + 30)
= 105°</td></tr>
<tr><td>Q7</td><td>a) Monday
b) Total → 26 + 16 = 42
c) Total patients (Friday) → 28 + 14 = 42
Total patient (Thursday) → 8 + 4 =. 12
42 – 12 = 30</td><td>Q8</td><td>45 – 19 = 26cm
30 x 30 x 26 = 23400 cm^3
23400 cm^3 = 23400ml
$\frac{23400}{320} = 73.125$
≈ 74 bottles</td></tr>
<tr><td>Q9</td><td>a) $\frac{1}{6}$ of total = 100
Total = 100 x 6 = 600
$\frac{180}{600} = \frac{3}{10}$
b)
<table><tr><td>Blue</td><td>Red</td><td>Yellow</td></tr><tr><td>X</td><td>Y</td><td>W</td></tr></table></td><td>Q10</td><td>a)


b) 5 + 4 + 3 + 4 + 3 + 4 + 5 + 4 = 32
8 x 6 = 48
8 x 6 = 48
48 – 32 = 16</td></tr>
</table>

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Q11

$\angle EFJ = 180 - 120 = 60$

$\angle EFJ = 180 - 60 = 120°$ $\angle EFG = 60° + 60° = 120°$

b) (is not), (is not)

Q12

Gave to sister $\rightarrow \frac{5}{8}$

Left $\rightarrow \frac{1}{6}$

$\frac{3}{8}(x - 1760) = \frac{1}{6}x$

$9(x - 1760) = 4x$

$9x - 15840 = 4x$

$9x - 4x = 15840$

$5x = 15840$

$x = \frac{15840}{5} = 3168$ (had at first)

$3168 - 1760 = 1408$

Sister $= \frac{5}{8} \times 1408$

$= 1408 \div 8 \times 5$

$176 \times 5 = 880$

$1760 - 880 = \$880$

He gave \$880 more to his parents than to his sister.

Q13

a) 3 times: 3, 6, 9, 12, 15 , 18, 21, 24, 27 ...

4 times: 4, 8 , 12, 16, 20, 24, 28 ...

24 appears in both

24 muffins ÷ 3 in each box = 8 boxes

24 cookies ÷ 4 in each bag = 6 bags

8 Muffins box : $8 \times \$3.20 = \$25.60$

6 cookie bags : $6 \times \$2.50 = \$15.00$

$25.60 + 15.00 = 40.60$

b) Try 19 muffins

Cookies = 19 + 10 = 29

Total = 19 + 29 = 48

Gill bought : 19 muffins, 29 cookies

19 muffins → need boxes of 3

3 x 6 = 18 (not enough)

3 x 7 = 21 (enough)

Gill must buy 7 boxes of muffin

Cost: 7 x \$3.20 = \$22.40

Cookies: 29 cookies → bags of 4

4 x 7 = 28 (not enough)

4 x 8 = 32 (enough)

Gill must buy 8 bags of cookies

Cost : 8 x \$2.50 = \$20.00

22.40 + 20.00 = \$42.40

Q14

Apples → 1u

Oranges → 4u

Total → 5u

5u → 810 fruits

810 ÷ 5 = 162

Apples at first → 162

Oranges at first → 648

648 − 459 = 189

189 ÷ 3 = 63

Apples at first = 162

Apples left = 63

162 − 63 = 99 apples

Mr See sold 99 apples.

Q15

22 + Side B + 22 = 125

Side B = 125 − 44 = 81cm

Square C is 22 cm

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	(a) Square A = 22cm 22 – 22 = 0cm b) 125 + 53 + 125 + 62 = 365 cm

4

ENP

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