# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

## END OF YEAR EXAMINATION 2025
## PRIMARY 5
## MATHEMATICS

## PAPER 1
## BOOKLET A

Total Time for Booklets A and B: 1 hour 10 min

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.

Name: _____ (  )

Class: Primary 5. _____

Date: 29 October 2025

This booklet consists of 8 printed pages including this page.

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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) and shade your answer on the Optical Answer Sheet.

(26 marks)

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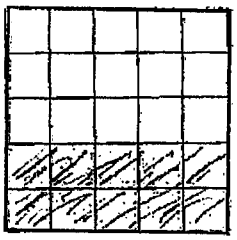
1 Which of the following is sixty-three thousand and eighty in numerals?

(1) 6380
(2) 63 080
(3) 63 800
(4) 630 080

2 What is the value of $48 - (5 + 3) \div 2 \times 5$?

(1) 220
(2) 100
(3) 28
(4) 4

3 The figure is divided into 25 equal parts.
What percentage of the figure is shaded?



(1) 40%
(2) 25%
(3) 20%
(4) 5%

4 Express $3\frac{4}{5}$ as a decimal.

(1) 3.8
(2) 3.45
(3) 3.4
(4) 3.08

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5 Which of the following is equal to $5\frac{2}{3}$?

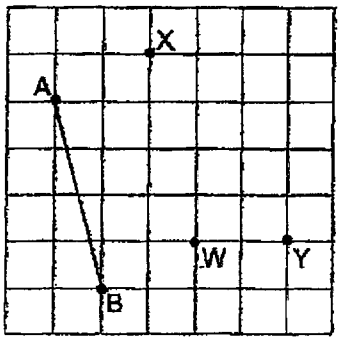
(1) $\frac{10}{3}$

(2) $\frac{13}{3}$

(3) $\frac{17}{3}$

(4) $\frac{52}{3}$

6 In the square grid, which line, when drawn is perpendicular to AB?




(1) WX

(2) WY

(3) AX

(4) BY

7 Sally took 4 minutes to fold 8 paper fans.
At this rate, how many paper fans can Sally fold in 24 minutes?

(1) 12

(2) 32

(3) 48

(4) 192

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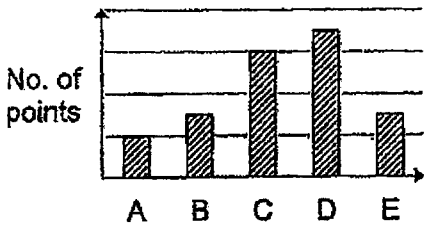
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8 The table shows the points scored by 5 students in a game.

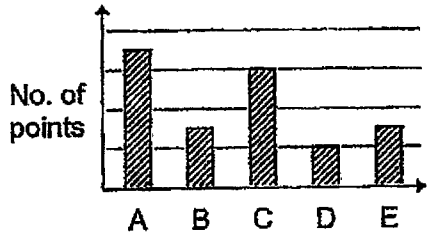
| Student | A | B | C | D | E |
|---|---|---|---|---|---|
| Number of points | 35 | 15 | 30 | 10 | 15 |

Which of the following bar graphs represent the information shown in the table?

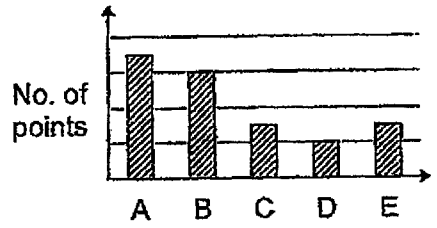
(1)



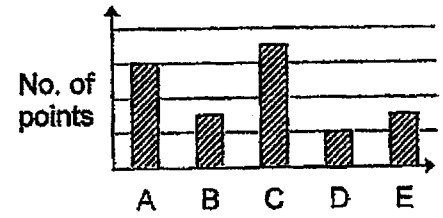

(2)




(3)



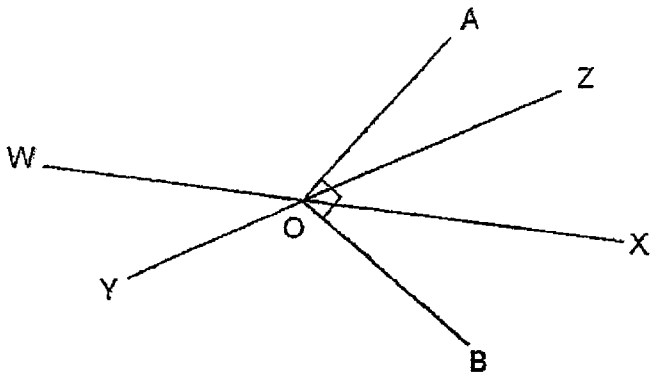

(4)




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**9** WX and YZ are straight lines. Which of the following is true?



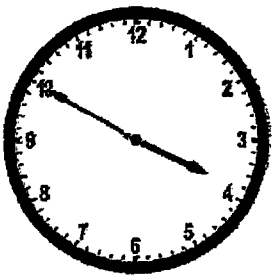

(1) $\angle AOZ = \angle WOY$

(2) $\angle YOW = \angle XOZ$

(3) $\angle AOB = \angle AOW = 90°$

(4) $\angle AOB + \angle AOW = 180°$

**10** What is 20 minutes before the time shown on the clock?



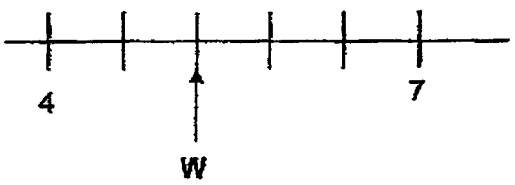

(1) 17 10

(2) 16 30

(3) 15 50

(4) 15 30

**11** In the number line, what is the value represented by W?




(1) 4.2

(2) 4.5

(3) 5.0

(4) 5.2

(Go on to the next page)

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12 Arrange these fractions from the smallest to the largest:

$\frac{5}{4}$ , $\frac{8}{3}$ , $1\frac{2}{5}$

| | Smallest | | Largest |
|---|---|---|---|
| (1) | $\frac{8}{3}$ , | $\frac{5}{4}$ , | $1\frac{2}{5}$ |
| (2) | $1\frac{2}{5}$ , | $\frac{5}{4}$ , | $\frac{8}{3}$ |
| (3) | $\frac{5}{4}$ , | $1\frac{2}{5}$ , | $\frac{8}{3}$ |
| (4) | $\frac{8}{3}$ , | $1\frac{2}{5}$ , | $\frac{5}{4}$ |

13 Four letters are arranged in the pattern below:

S W A Y S W A Y S W A Y S W A Y .... ?

1st 86th

What is the letter in the 86th position?

(1) S
(2) W
(3) A
(4) Y

14 Mr Raju wanted to divide 42 apples and 60 oranges equally into as many baskets as possible. The number of apples in each basket was the same. Each basket had the same number of fruits. How many fruits were there in each basket?

(1) 6
(2) 2
(3) 17
(4) 51

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15 $\frac{1}{4}$ of the number of people who attended a concert were women and $\frac{2}{5}$ were men.

The rest were boys and girls. $\frac{1}{3}$ of the remaining people were girls.

What fraction of the people who attended the concert were boys?

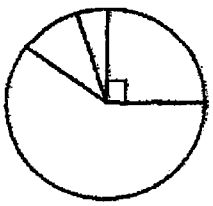
(1) $\frac{7}{20}$

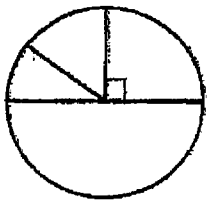
(2) $\frac{7}{30}$

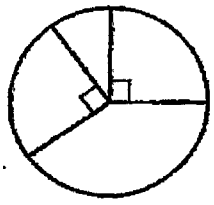
(3) $\frac{7}{60}$

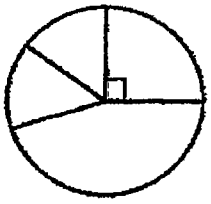
(4) $\frac{1}{60}$

16 Some students were asked to choose their favourite color. 25% of the students chose red. $\frac{2}{5}$ of the students chose green. The number of students who chose either green or blue was half of the total number of students. The rest of the students chose black.
Which of the following pie charts best represents the information?

(1) 

(2) 

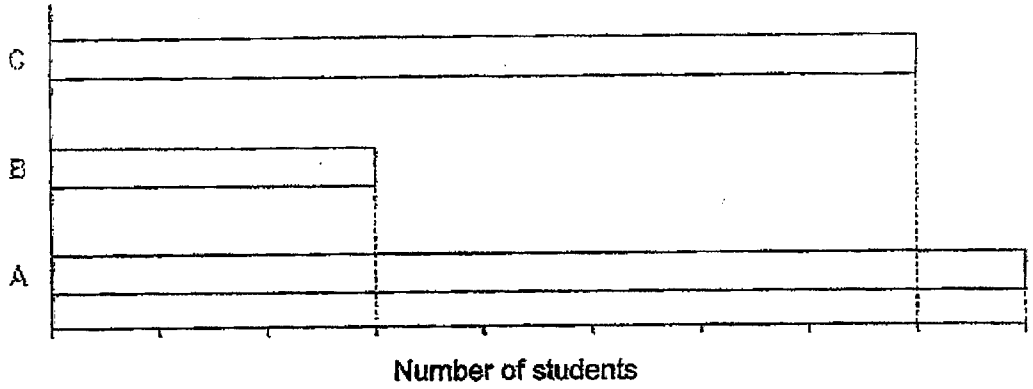
(3) 

(4) 

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17 The bar graph shows the number of students from 3 houses, A, B and C, who participated in the Games Carnival.




180 students from House B participated in the carnival.
How many more students from House C than House B participated in the Games Carnival?

(1) 50
(2) 60
(3) 300
(4) 360

18 Adilah had some pens. $\frac{1}{5}$ of the pens were red. $\frac{1}{3}$ of the remaining pens were blue pens and the rest were green pens. She had 20 more green pens than blue pens.
How many pens did Adilah have altogether?

(1) 60
(2) 75
(3) 80
(4) 300

(Go on to Booklet B)

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# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

## END OF YEAR EXAMINATION 2025
## PRIMARY 5
## MATHEMATICS

## PAPER 1
## BOOKLET B

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

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 calculators is **NOT** allowed.

Name: _____ (  )

Class: Primary 5._____

Date: 29 October 2025

| |
|---|
| /24 |

Parent's Signature: _____

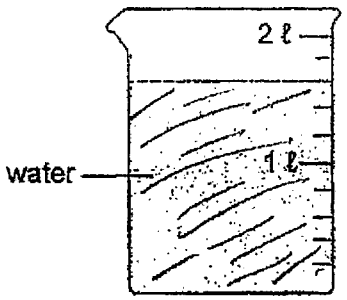
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Questions **19** to **30** carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (24 marks)

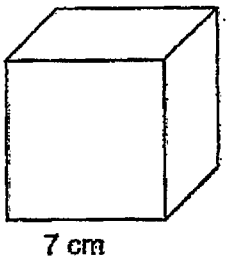
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**19** (a) How much water (in ml) is in the container?




Ans: (a) _____ ml

(b) What is the volume of the cube shown below?




Ans: (b) _____ $cm^3$

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20 (a) Find the value of $1 - \frac{1}{3} - \frac{1}{9}$.

Ans: (a) _____

(b) Find the value of $\frac{2}{9} \times 3$.

Ans: (b) _____

21 Hassan has 14 m of twine. He cuts it into 8 equal pieces.
What is the length of each piece of twine?
Give your answer as a fraction in the simplest form.

Ans: _____ m

(Go on to the next page)

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22 (a) Find the value of 7616 ÷ 7.

Ans: (a) _____

(b) Round 20 074 to the nearest hundred.

Ans: (b) _____

23 Express 2.45 as a mixed number in the simplest form.

Ans: _____

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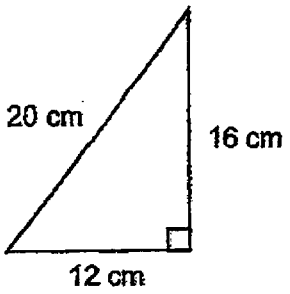
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**24** Mrs Lee had 350 bags for sale. She sold 20% of them. How many bags did she sell?

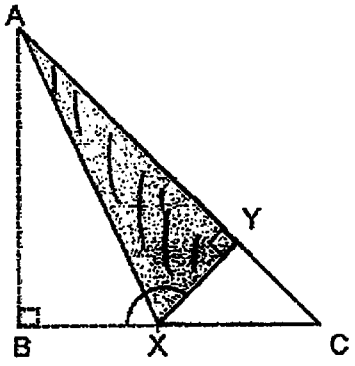
Ans: _____

**25** The figure shows a right-angled triangle. Find the area of the triangle.




Ans: _____ $cm^2$

**26** ABC is a right-angled isosceles triangle paper. It is folded along line AX to give the figure as shown below. BX = XC. Find ∠BXY.




Ans: _____

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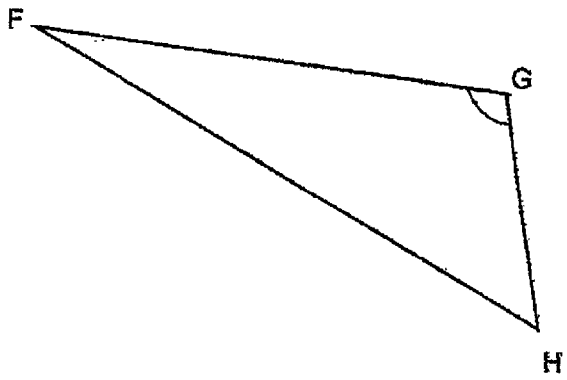
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27 Wen Xing had 1.05 kg of sugar at first. He used $\frac{1}{2}$ kg of it and gave $\frac{1}{5}$ of the remainder to his sister. How many grams of sugar was given to his sister?

Do not write in this space

Ans: _____ g

28




(a) Measure and write down the length of GH.

Ans: (a) _____ cm

(b) Measure and write down the size of ∠FGH.

Ans: (b) _____ °

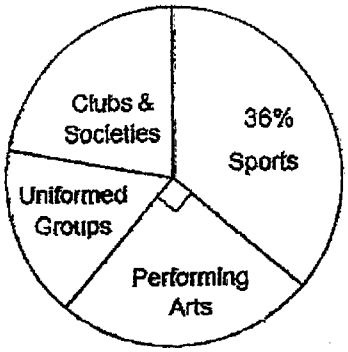
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29 The pie chart and bar graph below show the number of students who join the 4 main CCA categories in School A and School B.
In both schools, every student joins only 1 CCA.
There are 800 students in School B.

Do not write in this space

| CCA | Number of students |
|---|---|
| **Sports** | 120 |
| **Uniformed Groups** | 200 |
| **Performing Arts** | 130 |
| **Clubs & Societies** | 50 |




Each statement is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

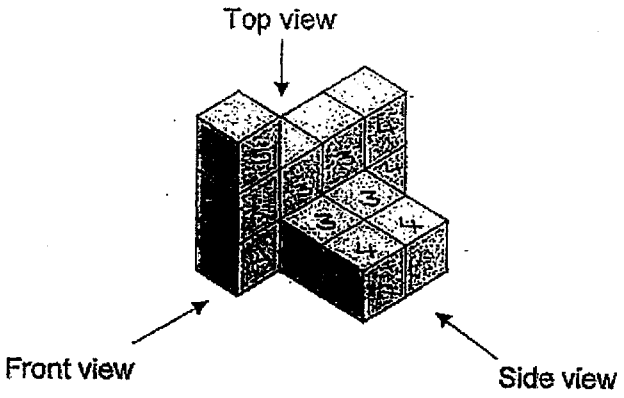
| Statement | True | False | Not possible to tell |
|---|---|---|---|
| There are more students who join Performing Arts in School A than School B. | | | |
| 10% of the students in School A join Clubs and Societies. | | | |
| The percentage of students in Uniformed Groups and Clubs & Societies is twice as many in School A than in School B. | | | |

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30 Mandy glued 13 cubes of side 1 cm to form the solid shown.

Do not write in this space




(a) Draw the top view of the solid.

**Top view**



(b) Mandy dipped the solid completely into a container of paint. What was the number of faces covered with paint?

Ans: (b) _____

**END OF PAPER**

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# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

## END OF YEAR EXAMINATION 2025
## PRIMARY 5
## MATHEMATICS

## PAPER 2

Duration: 1 h 20 min

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.

Name: _____ (  )

Class: Primary 5._____

Date : 29 October 2025

Parent's Signature: _____

| | |
|---|---|
| **Paper 1 Booklet A** | **/ 26** |
| **Paper 1 Booklet B** | **/ 24** |
| **Paper 2** | **/ 50** |
| **TOTAL** | **/ 100** |

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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)

Do not write in this space

1 Cupcakes are sold in boxes of 2, 4 or 12. Amanda bought 222 cupcakes. What was the least number of boxes Amanda bought?

Ans: _____

**2** Susan parked her car at ABC Convention Centre. The parking charges are as shown. A blot of paint covered part of the charges.

| Parking Charges | |
|---|---|
| First hour | $4 |
| Every additional $\frac{1}{2}$ hour or part thereof | |

Susan parked her car from 2.30 pm to 7.45 pm and paid $10.30 in total. What is the parking charge for every additional half hour or part thereof?

Ans: $ _____

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3 Mr Ali had some pencils and erasers in a bag. There were three times as many pencils as erasers. $\frac{1}{3}$ of his pencils are new.

$\frac{2}{5}$ of his erasers are new.

What fraction of Mr Ali's items in the bag were new?

Do not write in this space

Ans: _____

4 Jessica finished reading a book over 7 days.
Each day, she read 12 pages more than the previous day.
On day 3, she read 60 pages.
How many pages did Jessica read altogether?

Ans: _____

(Go on to the next page)

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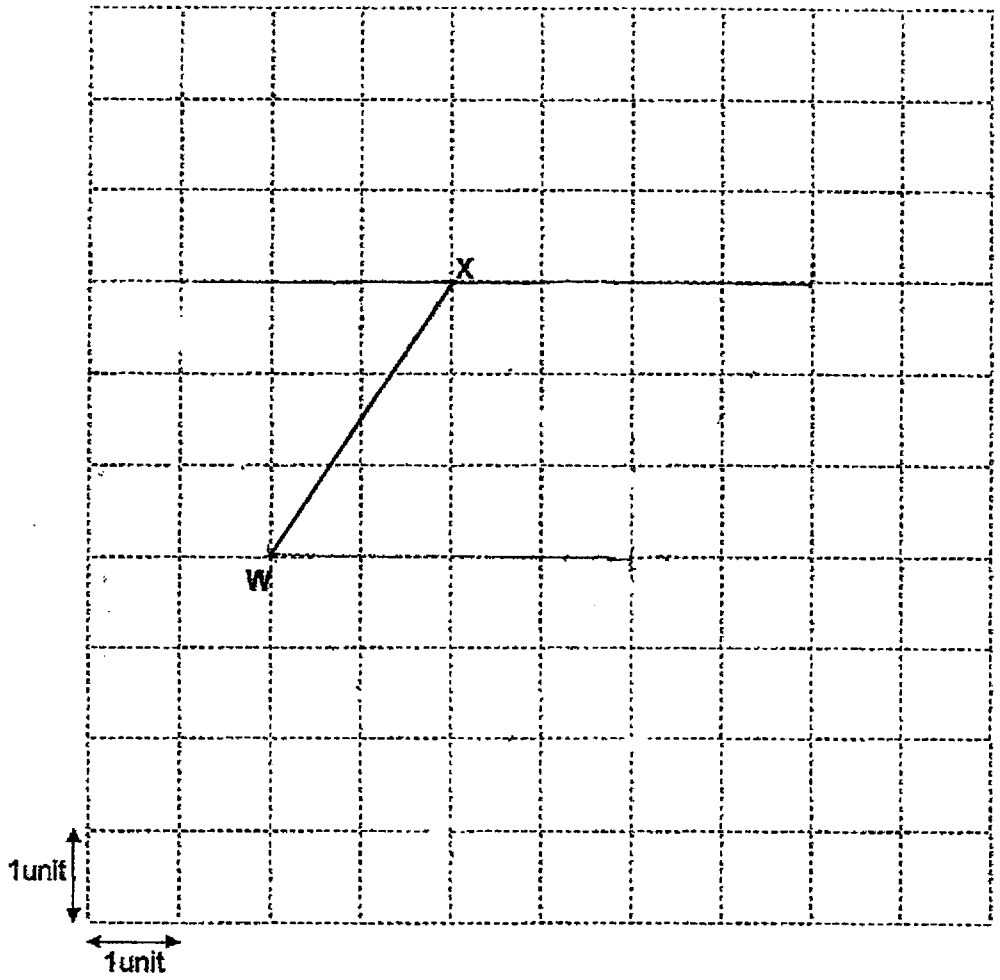
5 In the square grid, WX is one side of parallelogram WXYZ.

(a) Draw parallelogram WXYZ with area 12 square units.

(b) Without overlapping WXYZ, draw triangle UWX with area 5 square units.

Use a pencil to draw your diagrams and label them clearly.

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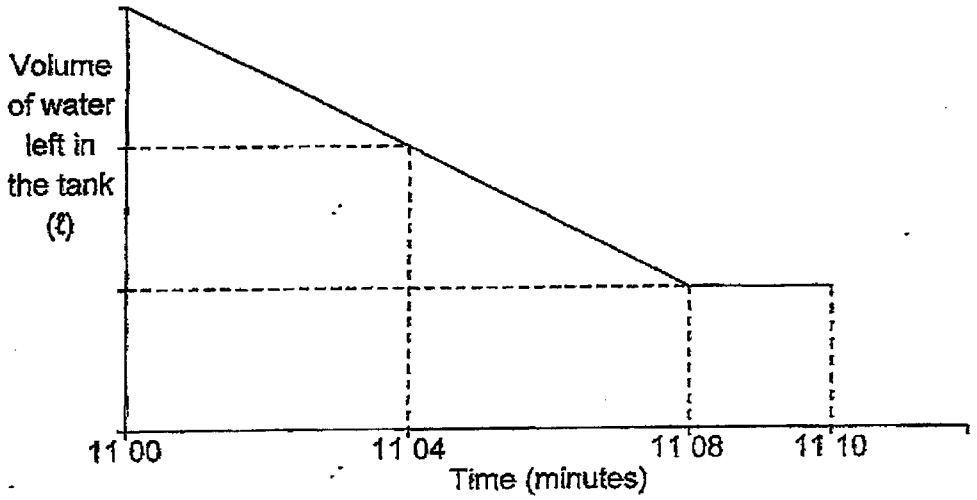

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For questions to 6 to 15, show your workings clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (40 marks)

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6 A tank is filled with 54 ℓ of water. A tap was turned on to drain water from the tank and then turned off at 11 08. The graph below shows the volume of water in the tank from 11 00 to 11 10.




(a) What was the volume of water in the tank at 11 09?

Ans: (a) _____ ℓ [1]

(b) The tap was turned on again at 11 10.
At the same rate as before, what time would the tank be completely drained of water?

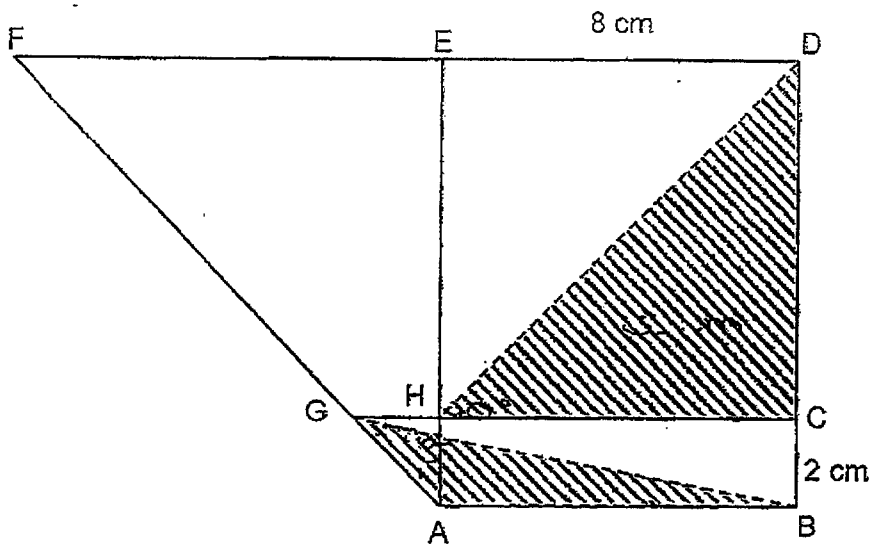
Ans: (b) _____ [2]

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7 The figure below is formed by trapeziums GCBA, FEHG and square EDCH. AE and BD are straight lines. FE= ED= EH.
ED= 8cm and BC = 2cm.

Do not write in this space




**(a)** Find the total area of the shaded parts.

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

**(b)** What percentage of the figure is shaded?

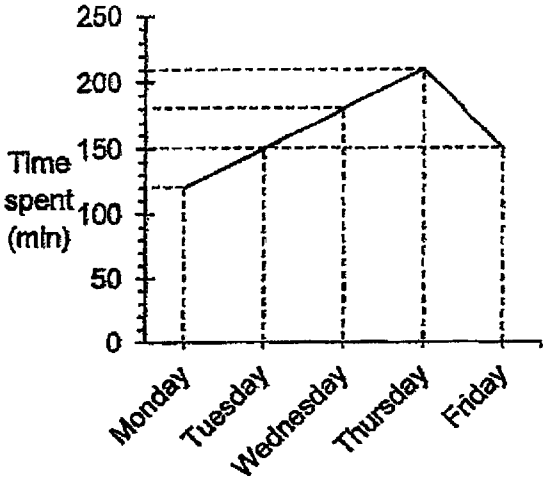
Ans: (b) _____ % [2]

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8 The line graph below shows the total number of minutes Mia spent on screen time from Monday to Friday on a particular week. The pie chart shows how her screen time on Thursday was divided among different activities.

Do not write in this space







(a) On Thursday, the amount of time spent on gaming was $\frac{2}{5}$ that of the time spent on online shopping. What percentage of her screen time was spent on gaming on Thursday?

Ans: (a) _____ % [1]

(b) How many hours did Mia spend watching videos on Thursday?

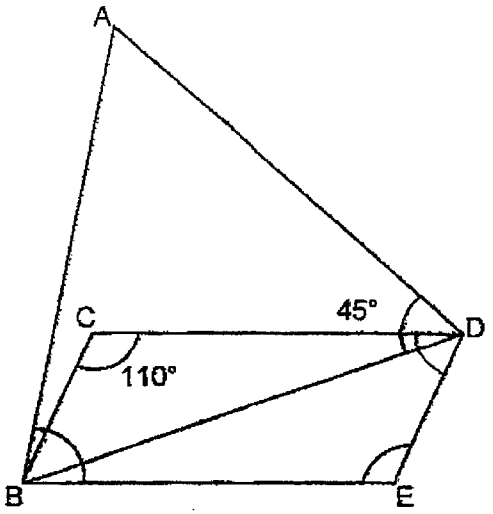
Ans: (b) _____ h [2]

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9 BCDE is a parallelogram and ABD is an equilateral triangle.

Do not write in this space




(a) Find ∠ BED.

Ans: (a) _____ ° [1]

(b) Find ∠ CDE.

Ans: (b) _____ ° [1]

(c) Find ∠ ABE.

Ans: (c) _____ ° [2]

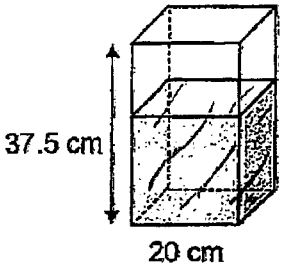
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10 A rectangular tank has a square base of sides 20 cm and a height of 37.5 cm. It was $\frac{3}{5}$ filled with water at first.

Do not write in this space

(a) How much water was there in the tank at first?




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

(b) After Tim poured in 20 bottles of water, each containing an equal amount of water, the tank was filled to the brim. How much water was there in each bottle?

Ans: (b) _____ ml [2]

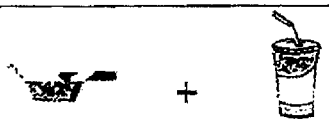
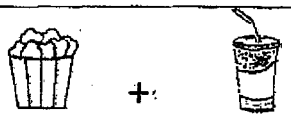
(c) 8.25 ℓ from the tank is used to water some plants in the garden. What fraction of the tank is still filled with water?

Ans: (c) _____ [1]

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11

| | |
|---|---|
|  |  |
| **Combo A**<br>**$10.50** *(before GST)* | **Combo B**<br>**$8.70** *(before GST)* |
| **Promotion**<br>Buy 2 of the same combo and get 10% off the 2nd combo! | |

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(a) What is the cost of 2 sets of Combo A before GST?

Ans: (a) $ _____ [2]

(b) Peter bought 1 Combo A and 1 Combo B for his family.
How much did he have to pay including 9% GST?
Round your answer to the nearest cent.

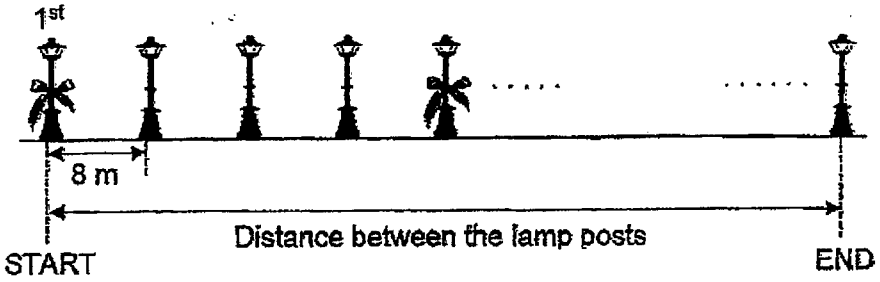
Ans: (b) $ _____ [2]

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12 Lamp posts are placed 8 m apart along a stretch of straight road. Starting from the first lamp post, Shelly puts bows on some lamp posts.

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(a) Complete the following table. [2]

| Distance between the lamp posts | Number of lamp posts |
|---|---|
| 40 m | (i) _____ |
| (ii) _____ | 136 |

(b) There are 149 lamp posts along the stretch of road. Between every 2 lamp posts with a bow, there are 3 lamp posts without. 75 cm of ribbon is needed to make each bow. What is the total length of ribbon used to make all the bows needed?

Ans: (b) _____ m [3]

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13 Salim saved his money in coins in his coin box.

$\frac{1}{4}$ of his coins are \$1 coins. The number of one-dollar coins saved were twice the number of twenty-cent coins.
The remaining coins were ten-cent coins worth \$47.50.

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(a) How many coins were there in Salim's coin box?

Ans: (a) _____ [3]

(b) How much money did Salim have in his coin box?

Ans: (b) \$ _____ [1]

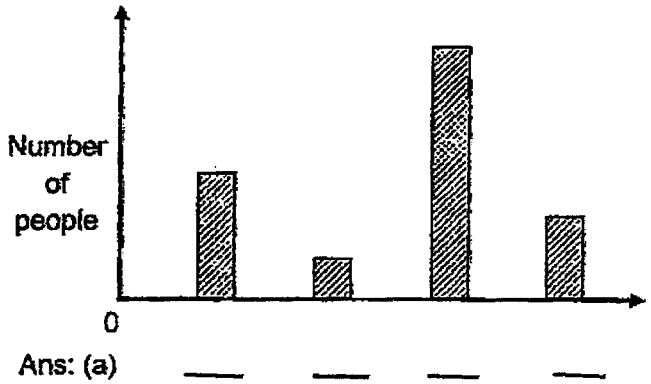
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14 Some men, women, boys and girls attended a concert. Children made up $\frac{1}{4}$ of the audience while the number of men was $\frac{1}{2}$ of the number of women. There were twice as many girls as boys.

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**(a)** The bar graph represents the number of people at the concert. Label the bar graph by writing **M** for men, **W** for women, **B** for boys and **G** for girls in the blanks below. [1]




Ans: (a) ___ ___ ___ ___

**(b)** What fraction of the audience were boys?

Ans: (b) _____ [1]

**(c)** There were 160 girls. How many people attended the concert altogether?

Ans: (c) _____ [2]

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15 Figure A shows a square sticker that has 5 grey identical squares and 4 identical L-shapes printed on it. The total area of the grey squares or the sticker is 80 $cm^2$.

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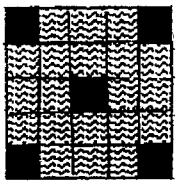


**Figure A**

**(a)** Find the area of the square sticker in Figure A.

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

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(b) Ali pasted 6 identical square stickers from Figure A on a rectangular piece of paper forming a pattern as shown in Figure B.
He could not completely cover the entire piece of paper.
What fraction of the paper is **not** covered by the square stickers?

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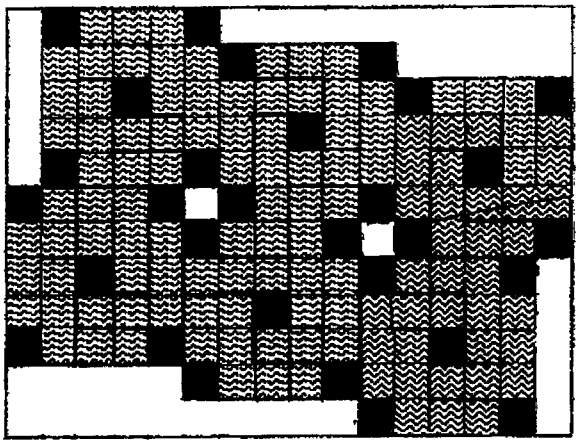


**Figure B**

Ans: (b) _____ [3]

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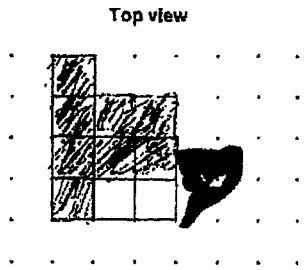
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YEAR : 2025
LEVEL : PRIMARY 5
SCHOOL : METHODIST GIRLS' SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM : END OF YEAR EXAMINATION

(BOOKLET A)

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

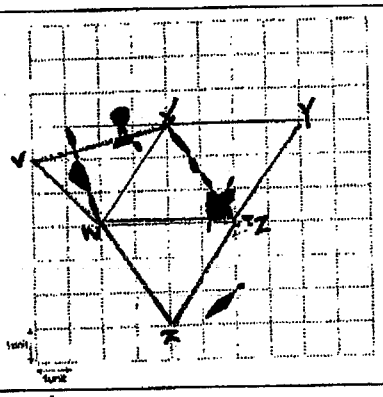
(BOOKLET B)

| | | | |
|---|---|---|---|
| Q19 | (a) 1600ml<br>(b) $7 \times 7 \times 7 = 343cm^3$ | Q20 | (a) $\frac{1}{3} + \frac{1}{9} = \frac{3}{9} + \frac{1}{9}$<br>$= \frac{4}{9}$<br>$1 - \frac{4}{9} = \frac{5}{9}$<br>(b) $\frac{2}{9} \times \frac{3}{1} = \frac{6}{9}$ |
| Q21 | $14 \div 8 = \frac{14}{8}$<br>$= \frac{7}{4}$<br>$= 1\frac{3}{4}m$ | Q22 | (a) $7616 \div 7 = 1088$<br>(b) 20 100 |
| Q23 | $2\frac{45}{100} = 2\frac{9}{20}$ | Q24 | 1% → $350 \div 100 = 3.5$<br>20% → $3.5 \times 20 = 70$ |
| Q25 | $\frac{1}{2} \times 12 \times 16 = 96cm^2$ | Q26 | $180 - 90 = 90$<br>ACB → $90 \div 2 = 45$<br>$90 + 45 = 135$<br>LY x C → $180 - 135 = 45$<br>$80 - 45 = 135°$ |
| Q27 | $\frac{1}{2}$ kg = 500g<br>1.05kg = 1050g<br>$1050 - 500g = 550$<br>$\frac{1}{5}$ of $550g = \frac{1}{5} \times 550 = 110g$ | Q28 | (a) 3.4cm<br>(b) 115° |
| Q29 | False<br>True<br>False | Q30 | (a)<br><br><br>(b) 5 + 3 + 4 + 3 + 3 + 4 + 4 + 3 + 3 + 4 + 4 + 4 = 44 |



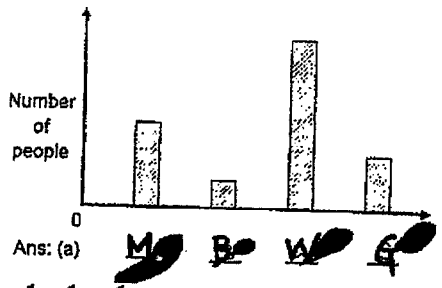
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**PAPER 2**

| | | | |
|---|---|---|---|
| Q1 | 222 ÷ 12 = 18R6<br>6 ÷ 4 = 1R2<br>18 + 1 + 1 = 20 | Q2 | 10.30 – 4 = 6.3<br>30min + 45min = 75min<br>= 1h 15min<br>total time: 5h 15min<br>4 x 2 = 8<br>8 + 1 = 9<br>6.3 ÷ 9 = $0.70 |
| Q3 | 5 x 4 = 20<br>$\frac{7}{20}$ | Q4 | Day 3 → 60<br>Day 2 → 60 – 12 = 48<br>Day 1 → 48 – 12 = 36<br>Day 4 → 60 + 12 = 72<br>Day 5 → 72 + 12 = 84<br>Day 6 → 84 + 12 = 96<br>Day 7 → 108<br>altogether → 60 + 48 + 36 + 72 + 84 + 96 + 108 = 504 |
| Q5 |  | Q6 | (a) 54 ÷ 3 = 18L<br>(b) 8 mins → 18 x 2 = 36<br>36 ÷ 8 = 4.5<br>18 ÷ 4.5 = 4<br>10 + 4 = 14<br>Ans: 11 14 |
| Q7 | (a) $\frac{1}{2}$ x 8 x 8 = 32<br>$\frac{1}{2}$ x 8 x 2 = 8<br>32 ÷ 8 = 40cm$^2$<br>(b) $\frac{1}{2}$ x 8 x 10 = 40<br>8 x 10 = 80<br>$\frac{40}{120}$ x 100% = 33$\frac{1}{3}$% | Q8 | (a) 25 ÷ 5 = 5<br>5 x 2 = 10%<br>(b) 50 – 10 = 40<br>$\frac{40}{100}$ x 210 = ~~94~~ 84<br>84 ÷ 60 = 1 R24<br>$\frac{84}{60} = 1\frac{24}{60}$ |
| Q9 | (a) 110°<br>(b) CDE → 180 – 110 = 70°<br>(c) 60 + 15 = 75° | Q10 | (a) 37.5 ÷ 5 = 7.5<br>7.5 x 3 = 22.5<br>22.5 x 20 x 20 = 9000cm$^3$<br>(b) 37.5 x 20 x 20 = 15 000<br>15 000 – 9000 = 6000<br>6000 ÷ 20 = 300ml<br>(c) 8.25L = 8250ml<br>15 000 – 8250 = 6750<br>$\frac{6750}{15000} = \frac{9}{20}$ |



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| | |
|---|---|
| Q11 | (a) $\frac{90}{100}$ x 10.50 = 9.45<br>10.50 + 9.45 = $19.95<br>(b) 10.50 + 0.945 = 11.445<br>8.70 + 0.783 = 9.483<br>9.483 + 11.445 = 20.928<br>≈ $20.93 |
| Q12 | (a) (i) 6 40 ÷ 8 = 5 5 + 1 = 6<br>(ii) 1080m 136 - 1 = 135 135 x 8 = 1080<br>(b) 149 ÷ 4 = 37 R1<br>37 x 1 = 37<br>37 + 1 = 38<br>58 x 75cm = 2050cm<br>= 20.5m |
| Q13 | (a) 47.50 ÷ 0.1 = 475<br>475 ÷ 5 = 95<br>95 x 8 = 760<br>(b) 1u = 95<br>2u = 95 x 2 = 190<br>5u = 475<br>95 x 0.2 + 190 x 1 + 475 x 0.1 =<br>$256.50 |
| Q14 | (a)<br><br><br>Ans: (a) M B W G<br>(b) $\frac{1}{4} \times \frac{1}{3} = \frac{1}{12}$<br>(c) 160 ÷ 2 = 80<br>80 x 12 = 960 |
| Q15 | (a) 80 ÷ 5 = 16<br>5 x 5 = 25<br>25 x 16 = 400cm$^2$<br>(b) 42 x 16 = 672<br>12 x 16 = 192<br>$\frac{42}{192}$ |



END

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