Maha Bodhi School
2024 End-of-Year Examination
Primary 5
Mathematics
Paper 1
(Booklet A)

Name : _____ ( )

Class : Primary 5 _____

Date : 22 October 2024

Total Time for Booklets A and B: 1 hour

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 in the Optical Answer Sheet (OAS).
5. The use of calculators is NOT allowed.

This booklet consists of 6 printed pages.

Questions **1** to **10** carry 1 mark **each.** Questions **11** to **15** carry 2 marks each.
For each question, four options are **given.** One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and **shade** your answer on the Optical Answer Sheet.
(20 marks)

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1. What is sixty-nine thousand **and** twelve in numerals?

   (1) 6 912
   (2) 69 012
   (3) 69 120
   (4) 690 012

2. Which of the following has **the same** value as $8400 \div 60$?

   (1) $4200 \div 3 \div 20$
   (2) $4200 \div 6 \div 20$
   (3) $8400 \div 3 \div 20$
   (4) $8400 \div 30 \div 20$

3. Simplify the expression $72 \div (12 - 8) \times 3 + 6$

   (1) 12
   (2) 2
   (3) 60
   (4) 162

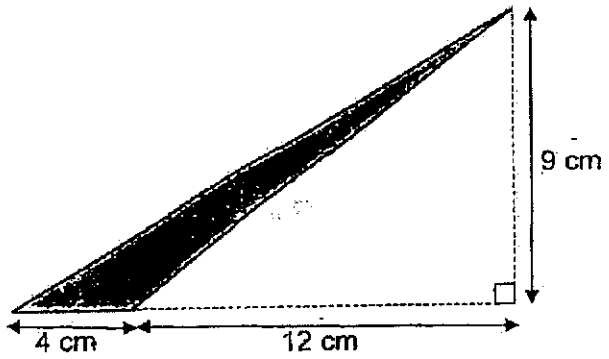
4. Write $\frac{4}{25}$ as a decimal.

   (1) 0.016
   (2) 0.16
   (3) 0.425
   (4) 4.25

5. In the number 7.568, which digit is in the tenths place?

(1) 5
(2) 6
(3) 7
(4) 8

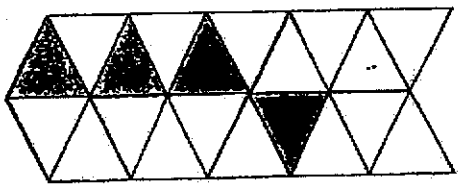
6. Find the area of the shaded triangle.



(1) 18 cm^2
(2) 30 cm^2
(3) 40 cm^2
(4) 67.5 cm^2

7. The figure is made up of 20 identical triangles.

What percentage of the figure is shaded?



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

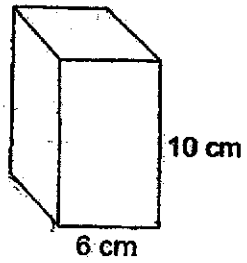
8. A machine can print 3 posters in 2 minutes.
At this rate, how many posters can it print in 18 minutes?

(1) 6
(2) 9
(3) 12
(4) 27

9. Jamie had 200 green and yellow marbles. 40% of the marbles are green.
How many green marbles did he have?

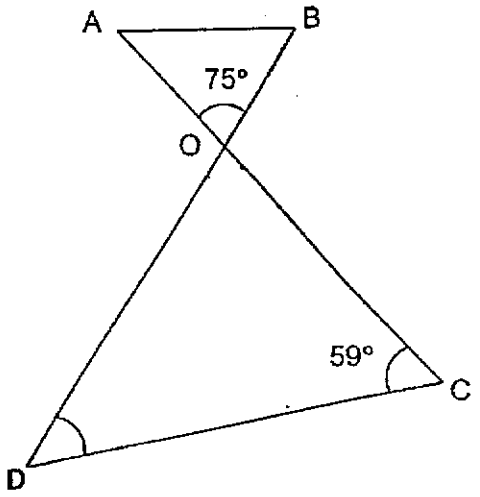
(1) 40
(2) 60
(3) 80
(4) 120

10. A solid cuboid of height 10 cm has a square base of side 6 cm.
Find its volume.



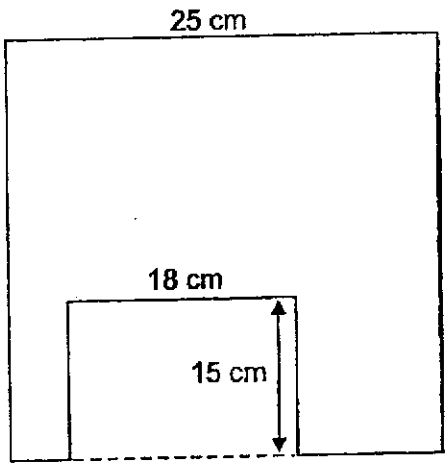
(1) 60 cm^3
(2) 240 cm^3
(3) 360 cm^3
(4) 600 cm^3

11. In the figure, AOC and BOD are straight lines.
Find ∠ODC.



(1) 46°
(2) 59°
(3) 62°
(4) 75°

12. The figure below is formed by cutting a rectangle from a square.
Find the perimeter of the figure.

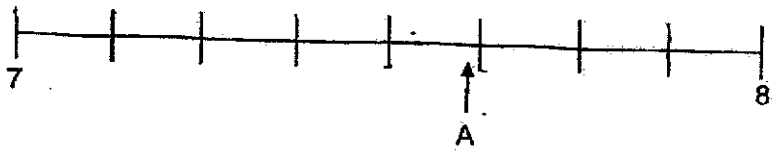


(1) 52 cm
(2) 58 cm
(3) 123 cm
(4) 130 cm

13. There were 21 boys in Primary 5 Integrity. The number of boys were 7 more than the number of girls. Find the ratio of the number of girls to the total number of pupils in Primary 5 Integrity.

(1) 2 : 3
(2) 2 : 5
(3) 4 : 3
(4) 4 : 7

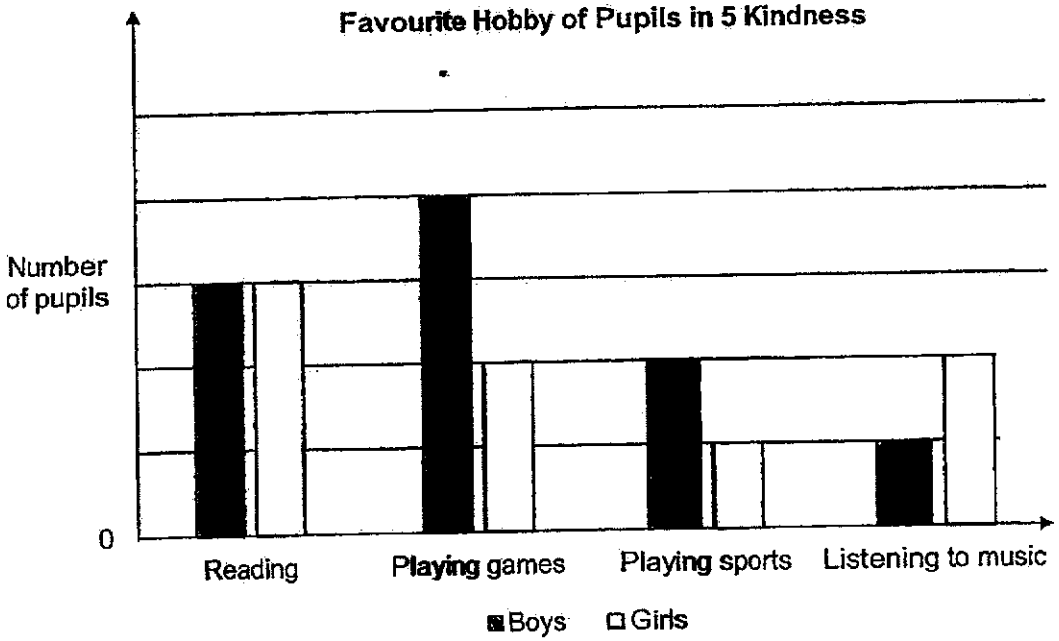
14. In the number line, what is likely to be the value of A when rounded to the nearest 2 decimal places?



(1) 7.48
(2) 7.49
(3) 7.62
(4) 7.63

15. Each of the pupils in 5 Kindness voted one activity as their favourite hobby.

The bar graph below shows the result.



Which of the following statements is true?

(1) Half of the boys in the class like reading.

(2) There is an equal number of boys and girls in the class.

(3) The most popular hobby for the class is playing games.

(4) An equal number of pupils in the class like playing sports and listening to music.

Remember to check your work
~ End of Booklet A ~

Maha Bodhi School
2024 End-of-Year Examination
Primary 5
Mathematics
Paper 1
(Booklet B)

Name : _____( ) Marks: 25

Class : Primary 5_____

Date : 22 October 2024

Total Time for Booklets A and B: 1 hour

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. Write all your answers in this booklet.
5. The use of calculators is **NOT** allowed.

This booklet consists of **8** printed pages.

Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16. **Find** the value of $\frac{1}{3} + \frac{2}{5}$

Ans: _____

17. **Find** the value of $\frac{5}{6} \times \frac{1}{2}$

Ans: _____

18. **Find** the value of $7 \div 35$. Give your answer as a fraction in the simplest form.

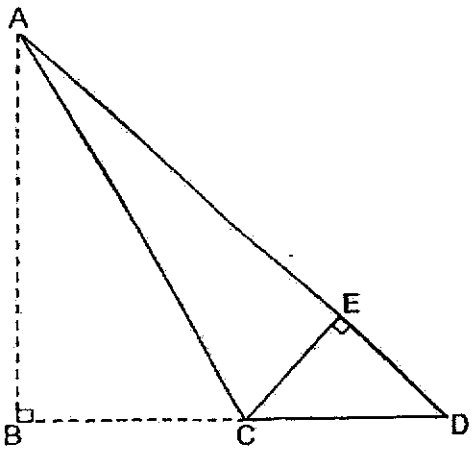
Ans: _____

/ 3

19. Find the value of 30.3×300

Ans: _____

20. In triangle ACD, where the base is AD, its corresponding height is _____.

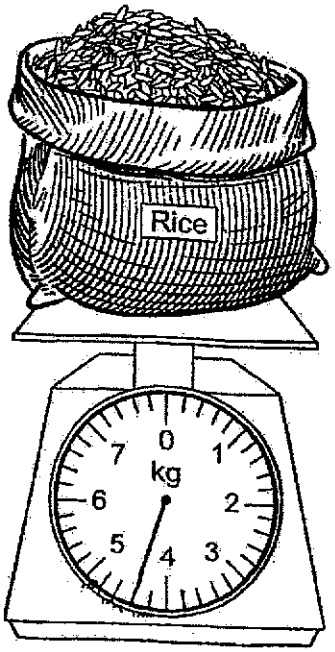


Ans: _____

/ 2

Questions 21 to 30 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (20 marks)

21. The mass of the bag of rice is measured using the scale.
What is the mass of the bag of rice?



(a) in kilograms?

Ans: (a) _____ kg

(b) in grams?

Ans: (b) _____ g

/ 2

22. The table below shows the temperatures of cities W, X, Y and Z.

City	Lowest Temperature (°C)	Highest Temperature (°C)
W	9	16
X	15	32
Y	18	33
Z	4	24

(a) When Albert was at some of these cities, the temperature was 10°C.
Name the cities.

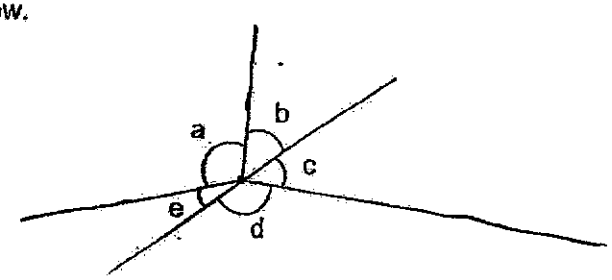
Ans: (a) _____

(b) Name the city with the smallest difference in temperatures.
Find its difference.

Ans: (b) _____, _____ °C

/ 2

23. In the figure below.



(a) Name the smallest angle.

Ans: (a) ∠_____

(b) Name the two angles that are greater than 90°.

Ans: (b) ∠_____ and ∠_____

24. Write down the first 2 common multiples of 6 and 9.

Ans: _____ and _____

25. Peiling finished reading a storybook with 256 pages in 8 days.
What was the average number of pages she read each day?

Ans: _____

/ 6

26. Four numbers are given below. Which is the largest? Which is the smallest?

$2\frac{1}{8}$	$2\frac{4}{5}$	2.18	2.108

Ans: Largest: _____

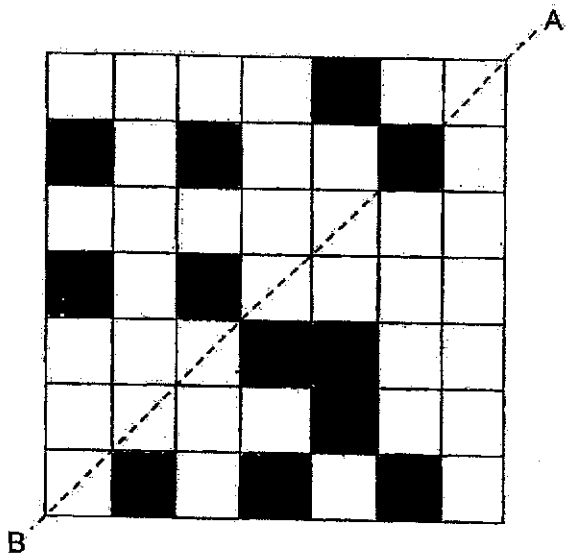
Smallest: _____

27. Singapore Airlines flight SQ 5870 took off from Singapore at 23 25 and landed in Beijing at 05 30 the next day.
What was the flight duration? Express the answer in hours and minutes.

Ans: _____ h _____ min

/ 4

28. In the figure below, what is the **least** number of additional squares that must be shaded to make AB a line of symmetry?



Ans: _____

29. A farmer packed 56 apples into bags and 72 pears into boxes.
Each bag contained the same number of apples and each box contained the same number of pears, with no fruits left over.
He used an equal number of bags and boxes for both fruits.
What was the **least** possible number of apples in each bag?

Ans: _____

/ 4

30. The table below shows the parking charges in a mall.
Mrs Chan paid $5.70 for her parking fees on a weekday morning.
What was the **longest possible** duration she had parked in the mall?

Days	**Rates**
Weekdays (Monday to Friday) 12 a.m. – 5 p.m.	$3.30 for the first 2 hours; $0.80 per 30 minutes or part thereof
Weekdays (Monday to Friday) 5 p.m. – 12 a.m.	$2.25 per entry
Weekends (Saturday and Sunday)	$2.25 for the first 2 hours; $1.20 per hour or part thereof

Ans: _____ h

/ 2

Remember to check your work!
~ End of Booklet B ~

Maha Bodhi School
2024 End-of-Year Examination
Primary 5
Mathematics
Paper 2

Name : _____ ( )

Class : Primary 5 _____

Date : 22 October 2024

Time: 1 h 30 min

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. Write your answers in this booklet.
5. The use of an approved calculator is allowed.

Paper	Booklet	Marks Obtained	Max Marks
1	A		20
	B		25
2	-		55
Total			**100**

Parent's signature: _____

This booklet consists of 15 printed pages.

Questions **1** to **5** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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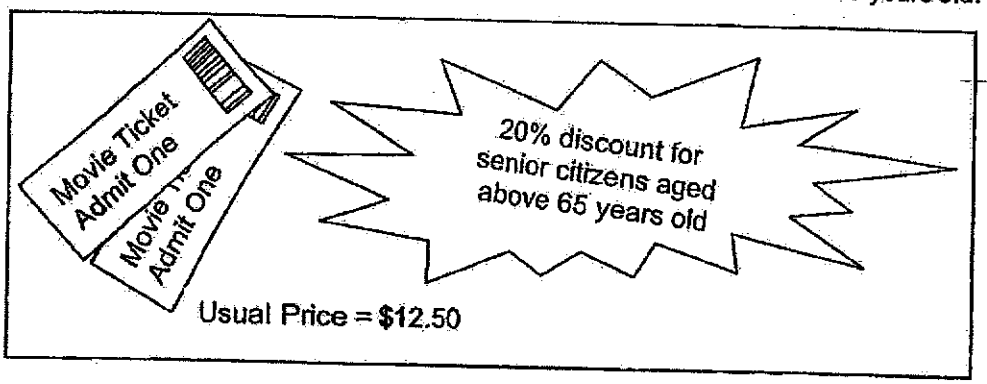
1. Mr Tan and his wife went to the movies and both of them are above 65 years old.



How much did they pay for the movie tickets altogether?

Ans: $ _____

2. The number of people visiting the zoo in a year is 1 380 000 when rounded to the nearest thousand.

What is the largest possible number of people visiting the zoo?

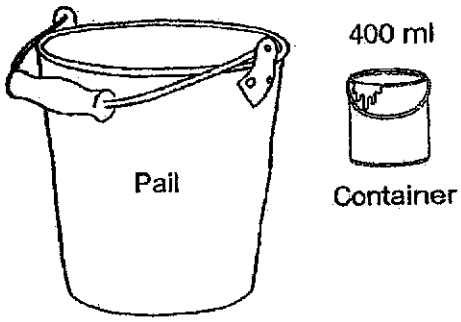
Ans: _____

/ 4

3. Sue had a bottle of cooking oil. She used an equal amount of oil each day.
At the end of the 2nd day, she had 1240 ml of oil left.
At the end of the 4th day, she had 1.09 ℓ of oil left.
How much oil did Sue use each day? Leave your answer in ml.

Ans: _____ ml

4. A pail with a capacity of 12 ℓ was filled to the brim with paint.
Caleb transferred the paint from the pail into some containers.
Each container could hold 400 ml of paint.
In the end, 2 ℓ of paint was left in the pail.
How many containers did he use?



Ans: _____

/ 4

5. The table below shows the overseas postage rate.

Mrs Chan sent a set of cards weighing 260 g to her friend in Malaysia.

How much did she pay for sending the cards?

Destination	Mass weighing up to	Postage
Malaysia and Brunei	20 g	$0.80
	50 g	$1.00
	100 g	$1.50
	For every additional 100 g or part thereof	$1.20

Ans: $ _____

/ 2

For questions 6 to 17, 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. (45 marks)

6. Alistair and Bevan had stickers in the ratio 13 : 3.
Both of them had a total of 272 stickers.

(a) How many stickers did Bevan have?

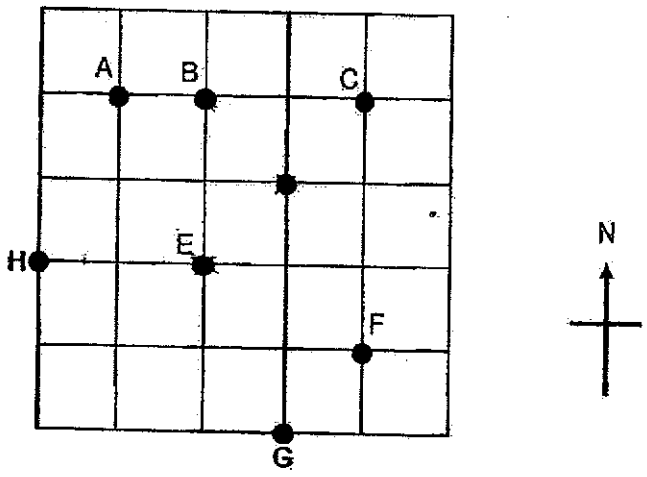
Ans: (a) _____ [2]

(b) Edwin had 3 times as many stickers as Bevan.
How many stickers did Edwin have?

Ans: (b) _____ [1]

/ 3

7. The square grid shows the positions of 8 points.



(a) Fill in the blanks with North, South, East or West.

Ans: (a) B is _____ of A and _____ of E. [1]

(b) Faris stood at one of the points facing B.
After he turned 90° clockwise, he faced Point C.
Which point was Faris at?

Ans: (b) Point _____ [1]

(c) Meiling was standing at Point E facing Point D. She turned 135° in an anti-clockwise direction.
Which point was Meiling facing in the end?

Ans: (c) Point _____ [1]

/ 3

8. Sandy spent $\frac{5}{7}$ of her money and Kevin spent $\frac{2}{5}$ of his money.

After that, they had the same amount of money left.

The total amount of money left was $180.

How much did they have altogether at first?

Ans: _____ [3]

/ 3

9 Mr Sunil's salary was $4250.
He donated part of it to Charity A and Charity B in the ratio of 4 : 1.
The amount he donated to Charity A was $340.

(a) How much did he donate to both charities?

Ans: (a) _____ [1]

(b) Find the percentage of Mr Sunil's salary that was donated to both charities.

Ans: (b) _____ [2]

/ 3

10. The table shows the prices of tickets for a concert.

Type	Price Per Ticket
Adult	$23
Child	$15

The number of adult tickets sold was 6 times as many as the number of child tickets sold.

A total of $20 196 was collected from the sale of tickets.

How much was collected from the sale of the adult tickets?

Ans: _____ [4]

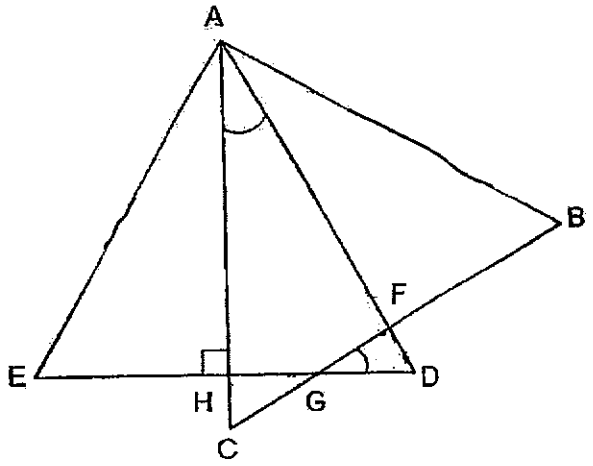
/ 4

11. Miss Lim bought some identical notebooks from the bookshop.
For every 4 notebooks bought, she received the 5th notebook free.
Each notebook cost $2.45.
She gave the cashier $65 and received a change of $3.75.
How many notebooks did Miss Lim get from the bookshop altogether?

Ans: _____ [4]

/ 4

12. In the figure, ABC and ADE are identical equilateral triangles.
∠AHE is a right angle.
G and F are points on line BC.
∠BAF = ∠CAF.



(a) Find ∠CAF.

Ans: (a) _____ [1]

(b) Find ∠FGD.

Ans: (b) _____ [3]

/ 4

13. Mark received 2 Bs and 2 Cs in a public speaking competition.
His average score was 74.
Based on the table below, what was the **lowest** possible score he received for Delivery?

	Grades
85 and above	A
70-84	B
50-69	C
Below 50	D

	Content	Audience Engagement	Body Language	Delivery
Scores	68	80	?	?'

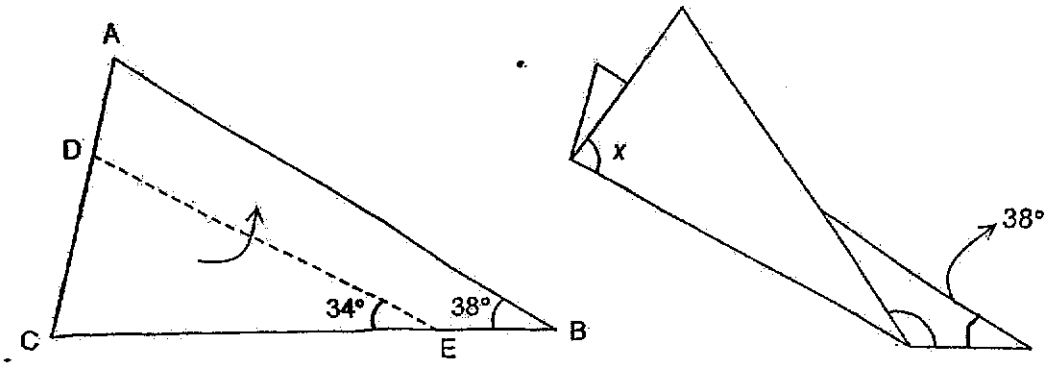
Ans: _____ [4]

/ 4

14. Anson has a triangular piece of paper ABC, with AB = BC, ∠ABC = 38° and ∠DEC = 34°.

ADC and BEC are straight lines.

He folded the piece of paper along the line DE as shown.



Before folding

After folding

(a) Find ∠x.

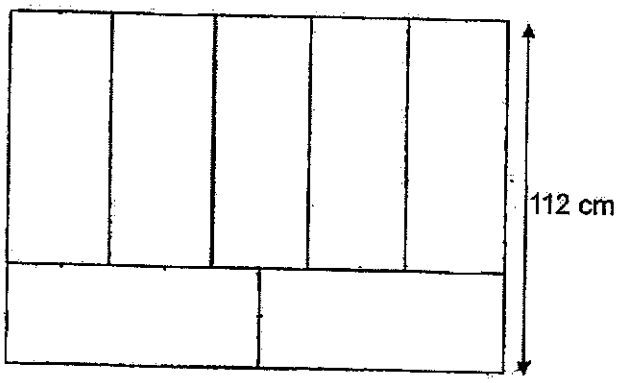
Ans: (a) _____ [2]

(b) Find ∠y.

Ans: (b) _____ [1]

/ 3

15. A rectangular piece of wood had a breadth measuring 112 cm.
It was cut into 7 smaller identical rectangles as shown.
Find the area of the piece of wood before it was cut.



Ans: _____ [4]

/ 4

16. Study the pattern carefully.

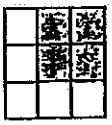
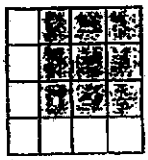
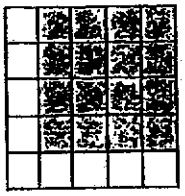
Figure 1	Figure 2	Figure 3	Figure 4
			

Figure	**1**	**2**	**3**	**4**
White Squares	3	**5**		9
Grey Squares	1	**4**	9	16

(a) How many white squares are there in Figure 5?

Ans: **(a)** _____ [1]

(b) In which figure will there be **101 white** squares?

Ans: **(b)** _____ [2]

(c) In which figure will there be **256 grey** squares?

Ans: **(c)** _____ [2]

/ 5

17. Aini saves $\frac{6}{11}$ of her salary every month.

In December, she saved \$50 more than what she usually saves.

With the remaining money, she spent $\frac{1}{5}$ of it on a pair of shoes, \$40 on transport and \$200 on food.

How much did she save in December?

Ans: _____ [5]

Remember to check your work!
~ End of Paper ~

/ 5

SCHOOL : MAHA BODHI SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATHEMATICS
TERM : SA2

PAPER 1

BOOKLET A

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

BOOKLET B

Q16	$\frac{11}{15}$
Q17	$\frac{5}{12}$
Q18	$\frac{1}{5}$
Q19	9090
Q20	EC
Q21 (a)	4.4
Q21 (b)	4400
Q22 (a)	W and Z
Q22 (b)	W, 7
Q23 (a)	e
Q23 (b)	a and d
Q24	18 and 36

Q25	32
Q26	Largest: $2\frac{4}{5}$ Smallest: 2.108
Q27	6h 5 min
Q28	5 squares
Q29	7
Q30	3.5h

PAPER 2

Q1	100% → $12.50 10% → $12.50 ÷ 10 = $1.25 80% → $10 $10 x 2 = $20
Q2	1380499
Q3	1240 - 1090 = 150 150 ÷ 2 = 75ml
Q4	12 - 2 = 10 10L = 10000ml 10000 ÷ 400 = 25
Q5	$1.50 + $1.20 + $1.20 = $3.90
Q6 (a)	16u → 272 1u → 272 ÷ 16 = 17 3u → 51
Q6 (b)	51 x 3 = 153
Q7 (a)	East, North
Q7 (b)	D
Q7 (c)	H
Q8	12u → $180 1u → $180 ÷ 12 = $15

	31u → $465
Q9 (a)	4u → $340 1u → $340 ÷ 4 = $85 5u → $85 x 5 = $425
Q9 (b)	100% → $4250 1% → $4250 ÷ 100 = $42.50 10% → $42.50 x 10 = $425
Q10	$23 x 6 = $138 $138 + $15 = $153 $20196 ÷ $153 = 132 132 x 6 = 792 792 x $23 = $18216
Q11	$65 - $3.75 = $61.25 5 notebooks → $2.45 x 4 = $9.80 $61.25 ÷ $9.80 = 6R$2.45 1 notebook → $2.45 6 x 5 = 30 30 + 1 = 31
Q12 (a)	∠CAB = ∠ABC = ∠BCA ∠CAB → 180° ÷ 3 = 60° ∠ABC = ∠BCA = 60° ∠CAF → 60° ÷ 2 = 30°
Q12 (b)	∠GFD → 180° - 90° = 90° ∠FGD → 180° - 30° - 90° = 60°
Q13	74 x 4 = 296 296 - 69 - 80 = 148 148 - 84 = 64
Q14 (a)	∠CAB = ∠ACB ∠CAB → (180° - 38°) ÷ 2 = 71° ∠ACB → 71° ∠x → 180° - 71° - 34° = 75°
Q14 (b)	∠y → 180° - 34° - 34° = 112°
Q15	112 ÷ 7 = 16 16 x 10 = 160 160 x 112 = 17920

Q16 (a)	5 + 6 =11
Q16 (b)	101 = 50 + 51 Figure 50
Q16 (c)	256 = 16 x 16
Q17	4u → $240 1u → $240 ÷ 4 = $60 5u → $60 x 5 = $300 5 parts of salary → $300 + $50 = $350 1 parts of salary → $350 ÷ 5 = $70 6 parts of salary → $70 x 6 = $420 $420 + $50 = $470