METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END-OF-YEAR EXAMINATION 2024 PRIMARY 5 MATHEMATICS

PAPER 1 BOOKLET A

Total Time for Booklets A and B: 1 hour

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:	regionis feet the special or selection of the second of th)
Class:	Primary 5.	
Date:	24 October 2024	

This booklet consists of 7 printed pages including this page.

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)

- 40 000 + 6000 + 200 + 5 =
 - (1) 46 250
 - (2)46 205
 - 46 025 (3)
 - 40 625 (4)
- Which of the following is a common multiple of 6 and 9? 2
 - 15 (1)
 - (2) 18
 - (3) 24
 - (4) 27
- Which fraction is greater than $\frac{1}{2}$? 3
 - (1)
 - (2)
 - (3)
 - 48 49 59 511 (4)

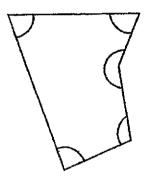
- 4 Express $\frac{1}{2}$ % as a decimal.
 - (1) 50
 - (2) 0.5
 - (3) 0.05
 - (4) 0.005
- A factory takes 2 days to produce 5 tables.

 At the same rate, how many days will it take to produce 40 tables?
 - (1) 8
 - (2) 10
 - (3) 16
 - (4) 20
- 6 How much water is in the container shown?



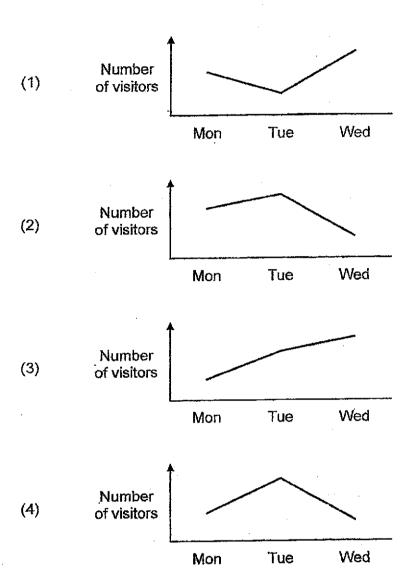
- (1) 200 ml
- (2) 400 ml
- (3) 500 ml
- (4) 800 ml

- James had \$200. He spent \$70 on a wallet.What percentage of his money did he spend on the wallet?
 - (1) 30%
 - (2) 35%
 - (3) 65%
 - (4) 70%
- 8 In the figure, how many of the five marked angles are more than 90°?

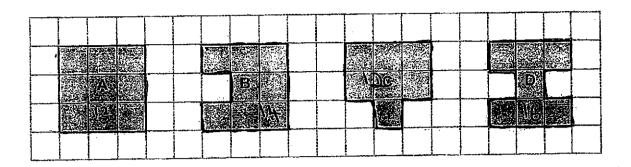


- (1) 5
- (2) 2
- (3) 3
- (4) 4
- 9 What is the value of $18 (4 + 8) \div 3 \times 2$?
 - (1) 1
 - (2) 10
 - (3) 16
 - (4) 4

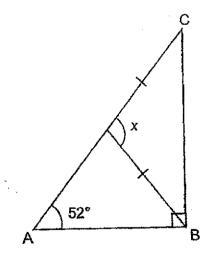
The number of visitors to the Bird Park increased by 200 from Monday to Tuesday and decreased by 600 from Tuesday to Wednesday. Which graph shows the number of visitors at the Bird Park from Monday to Wednesday?



11 Which figure has the largest perimeter?



- (1) A
- (2) B
- (3) C
- (4) D
- 12 In the triangle ABC below, \angle CAB is 52°, find the value of \angle x.



- (1) 38°
- (2) 97°
- (3) 104°
- (4) 128°

13	Mrs Tan baked a total of 60 pies and tarts in the morning. There were 3 times as many
	pies as tarts. After 21 pies and some tarts were sold, there were 4 times as many pies as
	tarts left. How many tarts were sold?

- (1) 6
- (2) 7
- (3) 8
- (4) 9
- 5 boys were given 4 stamps each and 3 girls were given a total of 12 stamps.
 What was the average number of stamps each child received?
 - (1) 7
 - (2) 2
 - (3) 8
 - (4) 4
- David and Tom shared a packet of sweets. David received 15 more than $\frac{3}{8}$ of the total number of sweets. Tom received the remaining 25 sweets. How many sweets were there in the packet altogether?
 - (1) 16
 - (2) 40
 - (3). 64
 - (4) 160

(Go on to Booklet B)

METHODIST GIRLS' SCHOOL (PRIMARY)

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END-OF-YEAR EXAMINATION 2024 PRIMARY 5 MATHEMATICS

PAPER 1 BOOKLET B

Total Time for Booklets A and B: 1 hour

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:	and the second s	()	
Class:	Primary 5.	-		
Date:	24 October 2024			25

This booklet consists of 9 printed pages including this page.

Questions For questi	s 16 to 20 carry 1 mark each. Write your an ions which require units, give your answers	swers in the spaces pain the units stated.	rovided. (5 marks)	Do not write in this space
		Section 1		
16	What is the missing number in the number	er pattern below?	:	Į.
	75, 61, 47, 33, 7, 5			
	A	ns:	-	
17	Find the value of $\frac{4}{5} \times \frac{2}{7}$.			
		:		
	A	ins:		

18	Find the value of 1	$-\frac{1}{3}$	$-\frac{2}{5}$
10	Find the value of t	_3	_ 5

Do not write
in this space

Ans:			

19 Express
$$\frac{5}{8}$$
 as a decimal.

Ans:			
		,	

20 Arrange these distances from the shortest to the longest.

1.35 km , $1\frac{3}{5}$ km , 1 km 305 m

Ans:	· · · · · · · · · · · · · · · · · · ·	1	*	
	(shortest)		(longest)	

answers it	s 21 to 30 carry 2 marks each. Show your working clearly and write in the space provided. For questions which require units, give you in the units stated.	e your r (20 marks)	Do not write in this space
21	In the figure, AFC and BFD are straight lines. Find ∠CFE.		
	В		
	A F C		
	22° E		
		·	
-	Ans:	· · · · · · · · · · · · · · · · · · ·	
22	6000 ml of water was poured into 5 containers equally. How many litres of water were there in one container?		·
	Ans:	· ·	
		Go on to the	_] e next page)

43	~
~	.5

(a) Gopal listed the factors of 36 below.

Do not write in this space

1, 2, 3, 4, 6, 18, 36

He missed out two factors. What were the two missing factors?

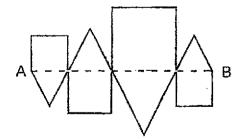
Ans: (a)

(b) Write down all the common factors of 20 and 32.

Ans: (b) _____



The figure below is formed using 4 squares and 4 equilateral triangles. The length of the straight line AB is 20 cm. Find the perimeter of the figure.



Ans: _____ cm



The graph shows the fare a taxi company charges for the first Do not write 25 in this space 10 kilometres. 40 32 Taxi fare 24 (\$) 16 8 0 8 9 10 7 5 6 3 0 1. 2 Distance (km) How much is the taxi fare for the first kilometre? (a) Ans: (a) \$ Alan paid \$20 for his taxi ride. What was the distance he travelled? (b) km Ans: (b) _

The table below shows the local postage rates in Singapore.

Do not write in this space

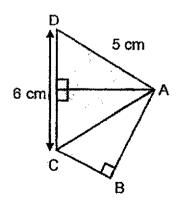
Mass Step	Cost
First 30 g	\$0.30
Next 50 g	\$0.50
Every additional 40 g or less	\$0.60

Mr Lim needs to send a parcel that weighs 138 g. How much does he need to pay?

Ans: \$		
/1110. ψ	!!	

27 Ken cut out three identical right-angled triangles. He joined them to form a figure ABCD as shown below. CD = 6 cm and AD = 5 cm.

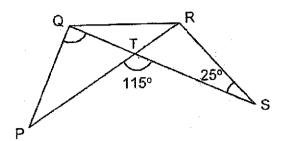
The perimeter of the figure is 18 cm. Find the area of the figure ABCD.



Ans: cm ²	
----------------------	--

In the figure, QTS and PTR are straight lines. PQ = QR = RS. $\angle PTS = 115^{\circ}$ and $\angle RST = 25^{\circ}$. Find $\angle PQT$.

Do not write in this space



Ans:		. *
ΛПЭ.	 	

Three friends shared the total cost of 48 apples in the ratio 5 : 2 : 1.

What was the cost for the largest share?



12 apples for \$10

Ans:	\$	The second secon
------	----	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

9

30	Mary had a new bottle of fish food. She feeds an equal amount of fish	Do not write in this space
	food to her fishes each day. At the end of the 18^{th} day, $\frac{1}{7}$ of the bottle	
	was left. At the end of the 19 th day, the amount of food left was 200 g. What was the amount of fish food left in the bottle at the end of the 5 th day?	
•	,	
	Ans: g	<u> </u>

END OF PAPER

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END OF YEAR EXAMINATION 2024 PRIMARY 5 MATHEMATICS

PAPER 2

Duration: 1 h 30 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.

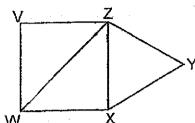
Name:	The region of the state of the	()	
Class:	Primary 5.		
Date :	24 October 2024	Paper 1 Booklet A	/ 20
		Paper 1 Booklet B	/ 25
Parent's S	Signature:	Paper 2	/ 55
		TOTAL	/ 100

This booklet consists of 17 printed pages including this page.

	ach. Show your working clearly and write your For questions which require units, give your (10 marks)	Do not write in this space
The usual price of a water discount. How much was	ch was \$780. During a sale, it was sold at 20% s the discount?	
	Ans: \$	
	hared 456 marbles in the ratio of 12 : 5 : 2. ber of marbles Ivan and Sean had?	
		A
	Ans:	

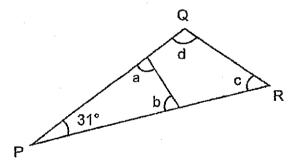
In the figure, VWXZ is a square. XYZ is an equilateral triangle. Find ∠WZY.

Do not write in this space



Ans: _____

4 PQR is a triangle. Find the sum of angles a, b, c and d.



Ans:

Mr and Mrs Soh had different amounts of money.

Mr Soh gave $\frac{1}{4}$ of his money to Abel.

Mrs Soh gave $\frac{1}{2}$ of her money to Betsy.

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

	Statenient	True	False	Not possible to tell
(a)	Abel and Betsy received $\frac{3}{4}$ of the total amount money Mr and Mrs Soh had.			
(b)	Abel and Betsy received the same amount of money from Mr and Mrs Soh.			

Do not write in this space

spaces	estions to 6 to 17, show your workings clearly and write your answarprovided. The number of marks available is shown in brackets [each question or part-question.	vers in the] at the (45 marks)	Do not write in this space
6	Ali and Eva had the same amount of money at first. Later on, Ali received another \$550 and Eva spent \$260. Ali had 4 times as much money as Eva in the end. How much money did each of them have at first?		
·			
٠.			
		-	
	Ans:	[3]	

	U		
7	John built the solid shown below. It is made up of 9 unit cubes.		Do not write in this space
	(a) Draw the top view (from the front) in the square grid.	[1]	
	Top View		
	Front View Side View		<u> </u>
	Then, he packed the box full by adding more unit cubes. 5 units What is the smallest number of unit cubes that John added into the box?		

Mrs Lim worked as a sales promoter from February to May.
The table below shows the number of pots she sold.

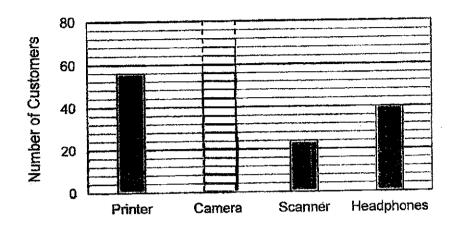
D	o not	write
in	this	space

Month	Number of Pots Sold
Feb	58
Mar	47
Apr	69
May	?

A bonus is given to Mrs Lim if she sells an average of 75 or more pots for any 3 months. What is the least number of pots that she must sell in May to qualify for the bonus?

•		
Ans:	[3]	<u> </u>

9 Customers who purchased a laptop at a computer fair received a free item each. They could choose from a printer, a camera, a scanner, or a pair of headphones. The bar graph below shows the choices. The bar for customers who chose cameras is not shown. Do not write in this space



(a) What is the ratio of the number of customers who chose printers to the number of customers who chose scanners? Give your answer in the simplest form.

Ans: (a) _____ [1]

(b) $\frac{3}{8}$ of the customers chose the cameras as their free gifts.

How many customers chose cameras?

Do your working below and draw the bar in the graph to show the number of customers who chose cameras.

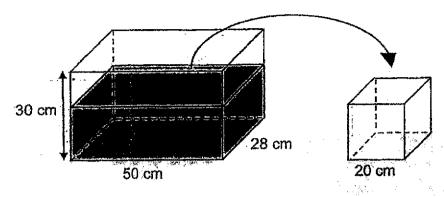
Ans: (b) _____ [2]

1964 187 B 16 16 16

Mary and Nancy had 540 stickers. Mary gave $\frac{2}{5}$ or	f her stic	kers to	Nan	ıcy.	Do not write in this space
Then, Nancy gave $\frac{1}{4}$ of her total number of sticker	s to Mai	y.	. •		
In the end, they had an equal number of stickers. How many stickers did Mary give to Nancy?					
					·
				+ 2+1	
			•		·
				·	

11 A rectangular tank was $\frac{3}{5}$ filled with water at first. Nathan poured some water from the rectangular tank into a 20-cm cubical tank and filled it completely.

Do not write in this space



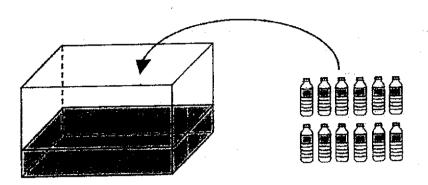
(a) How much water was left in the rectangular tank?

		,	
Ans: (a)	2]		

Then, he filled 12 identical bottles to the brim with water and poured all the water from the 12 bottles into the rectangular tank.

There was 31 litres of water in the rectangular tank in the end.

What is the capacity of each bottle? Give your answer in litres.



Ans: (b)	The secretary of the second	[3]	L.	

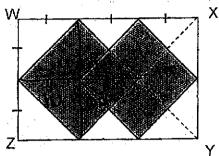
12	At a c	concert, $\frac{4}{9}$ of the audience were adults. $\frac{3}{4}$ of the children were boys.	Do not write in this space
	(a)	What fraction of the audience were girls?	
		Ans: (a) [2]	
	-	Ans: (a) [2]	
	(b)	There were 350 more boys than girls. How many people were there at the concert?	· ·
			After the control of
		Ans: (b) [2]	

13	In the figure below, Point (C is on line DE. ∠ABE = 81° a	nd ∠BED = 27°.	Do not write In this space
	A D 81° C 2	E		
	(a) Find ∠BCE		,	
		Ans: (a)	[2]	
	(b) Find ∠ACD.			
		Ans: (b)	[2]	<u> </u>

14	Mrs C	otal cost of a dress and a skirt was \$239. Chen wanted to buy the dress but she was short of \$40. e end, she bought the skirt and had \$25 left.	in	o not write this space
	(a)	How much more did the dress cost than the skirt?		
		Ans: (a) [2]		
	(b)	How much money did Mrs Chen have at first?		
	,			
		Ans: (b)	2]	
				i

The figure below shows 2 overlapping identical squares in Rectangle WXYZ. The area of Rectangle WXYZ is 768 cm².

Do not write in this space



(a) What fraction of the Rectangle WXYZ is unshaded? Give your answer in the simplest form.

	•	l	
ns: (a)			
113. (a)			

(b) What is the perimeter of the shaded part?

		1	
Ans: (b)	 [3]	,	

16	After	had a number of 50-cent coins and 20-cent coins in the ratio of 5 : 4. she removed $\frac{1}{2}$ of the 50-cent coins, the total number of coins was ced to 208.	Do not write in this space
	(a)	How many of each type of coins did Amy have in the end?	
		Ans: (a) 50-cent coins: [2	
	(b)	What was the total value of the coins in the end?	
			
		Ans: (b)[3	2]

17

Sun: The	shine factory was required to produce 2160 toys. factory owned Machine A which produces 3 toys per minute.	Do not write in this space
(a)	How many hours would it take to produce the required number of toys using Machine A?	
	Ans: (a) [2]	
(b)	To shorten production time, Machine B was purchased. It produces 7 toys every 3 minutes. With Machine A and B being used at the same time, how much time would the company save to produce the same number of toys? Give your answer in hours.	
•		
		-
	Ans: (b) [3]	

END OF PAPER

METHODIST GIRLS' SCHOOL (PRIMARY) 2024 ECY Primary 5 Standard Mathematics Answer Key

Paper 1 - Booklet A (20 marks)

Questions 1 to 10 1 mark such					
Question	Aitswer				
1.	2				
2.	2				
3.	3				
4.	4				
5.	3				
6.	3				
7.	2				
8.	2				
9.	2				
10.	Ž				

Questions 11 to 15 2 marks each	
Question	Answer
11.	4
12	3
13.	4
14.	4
15.	3

Paper 1 - Bosklet B (25 marks)

Questions 16 to 20 - 1 mark each

19	
8 35	Accept Equivalent
4 15	Accept Equivalent
0.625	Method 1: By long division, 5 + 8 ≈ 0.825
	Method 2: 5 625 8 1000 = 825 ÷ 1000
_	4 15

PS Characters Mathematics Hys. 2024

	20.	1 km 405 m, 1.25 km, 1 = km,	1,35 km = 1350 m 1
l		, 2 min	1 km 305 m = 1305 m

Questions 21 to 30 - 2 marks each

Qns	Answer	
GI21	2	Method 1: ∠CFE = 48°22° = 26° Method 2: ∠GFC = 180°48° = 132° ∠CFE = 180°132°22° = 26°
Q22	1.2	Method 1 Volume in each container = 6000 ml + 5 = 1200 ml = +.2 £ Method 2 6000 ml = 6 £
		Volume in each container = 6 t + 5 = 1.2 t
G23	a) 9, 12 b) 1, 2, 4	(a) Factors of 38 = 1, 2, 3, 4, 6, 9, 12, 18, 36 Missing factor = 9 and 12 (b) Factors of 26 = 1, 2, 4, 5, 10, 20 Common factors = 1, 2, 4
Q24	100	Perimeter = 20 cm x 5 = 100 cm
Q26	a) 4 b) 8	Read off graph given.

PS Standard Mathematics EVE 202

2

Qns	Answer	
Q2B	2	Amount that he has to pay = \$0.30 + \$0.50 + \$0.60 + \$0.60
		= \$0.50 + \$0.50 + \$0.50 + \$0.50 = \$2.00
		- 42.00
Q27	18	AB = 18 cm - 6 cm - 5 cm - 3 cm
		= 4 cm
		Area of 1 triangle
		$=\frac{1}{2}\times4$ cmx 3 cm
		2 ≈6.cm²
		Area of figure (3 congruent triangles)
		= 6 x 3 cm ² OR 3 x $\frac{1}{2}$ x 4 cm x 3 cm
		_
		≃ 18 cm²
Q28	75	Method 1
		∠QRT = 180°-115°-25°
		= 40°
		∠PQT = 180° 40° 40° 25°
		= 75°
		Method 2
		∠QRT = 180°- 115°- 25°
		= 40°
		ZQTP = 180%-115
		= 65°
		∠PQT = 180°40°65
	;	= 76°A1
Q29	26	Method 1
į		48 apples → \$10 x 4 = \$40
		8u = \$40
		1u = \$5
		5u = \$5 x 5
ļ		= \$26
		Method 2
i		1u = 48 + 8 = 6 apples 6 apples → \$10 + 2 = \$5
. !		6 appres → \$10 ÷ 2 = \$5 5u = \$5 x 5
		= \$26
* Chank	rd Mattenuation EYE 2024	

Qns	Answer			
Q30	1600	$\frac{6}{7}$ of bottle \rightarrow 18 days		
		$\frac{1}{7}$ of bottle \Rightarrow 3 days		
		Whole Bottle → 3 x 7 = 21 days		
	ł	2 days → 200 g		
		1 day → 100 g		
		5th day → 5 x 100 g = 500 g	•	
		21 days -> 2100 g		
	ļ.	Amount left = 2100g 500g	•	
		= 1600 g		
		Or		
	l	21-5=16		1
	j .	16 days → = 16 x 100g	1.1	
-	1	= 1600 g	7	-

Paper 2 (56 marks)

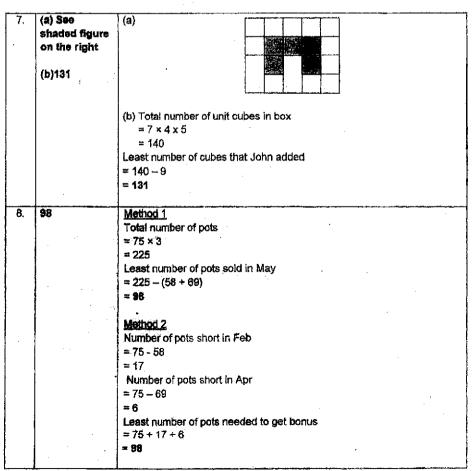
Qns	Answer		
1	\$156	Method 1: Discount amount	tana da
		$=\frac{20}{100} \times 780 or $\frac{$780}{100} \times 20$	
		= \$156	
		Method 2: 100% → \$780	• .
		80% 80 × \$780	* * fa
		= \$624 (discounted price)	
		Discount amount = \$780 \$624 = \$156	•

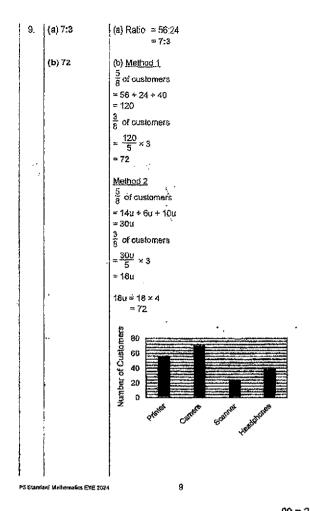
2	168	
1 -	1.00	D : : S : Total : + S
1	f	12 : 5 : 2 : 19 : 7
1	}	288 : 120 : 48 : 456 : 168
	1	200 1. 120 1.140 1.140
		Method 1:
		Total number of marbles that Ivan and Seen had
	1	= 120 + 46
		= 168
		Method 2:
	1	19 u = 456
1	1	$7u = \frac{456}{19} \times 7$
ŀ		= 168
3	105°	$\angle WZX = (180^{\circ} - 90^{\circ}) \div 2$
1		= 45°
	ļ	∠WZY = 45° + 60°
	-	= 105°
 	-	
4	298°	Method 1:
į.		∠a + ∠b + ∠c + ∠d
		= 2 x 180° - 2 x 31°
Ĭ		= 298°
		Ministrat De
		Method 2:
1		Za + Zb + Zc + Zd
		= (180°- 31°) × 2 = 298°
		1 ~ 400
l	L	<u> </u>

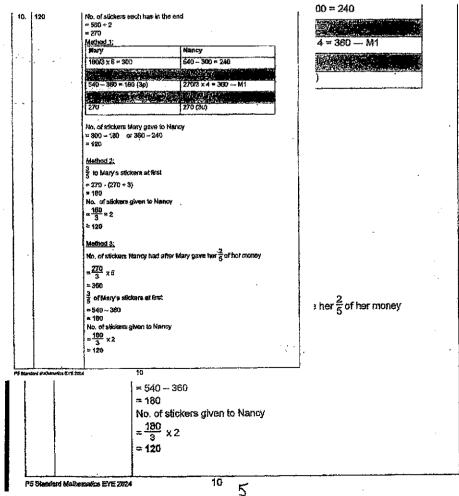
	latera	F				, , , , , , , , , , , , , , , , , , , ,
5	(a) False	والمتعادمة والمتعادية	,	700	No. of Paris	
1	(b) Not			The second second		
	possible to fell	3. <u>1 </u>	siatement	195		
ļ.,	1					
	•	(a) Abela	ind Beisy had $\frac{3}{4}$ of the		4	
	∤ ;	31 I	mount money Mr and	ł i		
		9 I I	hong had.			
	1	wits C	nong nau.			1 1
		<u> </u>				
	ĺ		and Belsy received the			1
1	Ì		amount of money from d Mrs Soh.	4		
		ii iwaan	u para ciuli.	!		1
] 			<u> </u>	
1				•	•	
1	1	Explanation	l s cannot be added as	the set of more	mu kilo navê	Mire Sob had
'		was differen		THE SEF OF FROM	CY. BHI BRICE	Mid Octi son
		Mas ninere	II. LLITOLO	1.44		
		(h) 0	ble scenarios, NOT PC	social direct	E1 5	
	1	(p) 3 possii	DIE SCETEROS, NOT FO	ACCIDITE TO 1	la-la-la	
	1	Scenario -	1	2		3
		}	Mr Son had twice	Mr Son had n	tore	
1 .		1.1				Mr Soh had
	1 .	Π	as much money as	money than A	ins Soh	iess money
		1000	as much money as Mrs Soh	money than A (exclude Sce	ins Soh	iess money than Mrs Sch
	·		Mrs Sch Example A		ins Soh	less money than Mrs Soh Example C
			Mrs Sch Example A Mr Sch - 4u	(exclude Sce	trs Soh nario 1)	iess money then Mrs Soh Example C Mr Soh - 2u
			Mrs Sch Example A		trs Soh nano 1)	less money than Mrs Soh Example C
			Mrs Sch Example A Mr Sch - 4u	(exclude Scen	trs Soh halfo 1) 1 B2 u 8u	iess money then Mrs Soh Example C Mr Soh - 2u
		Abel	Mrs Soh Example A Mr Soh - 4u Mrs Soh - 2u	Example B Mr Soh 3 Mrs Soh 2	trs Soh harto 1) 1 82 U 80 U 20	less money than Mrs Soh <u>Example C</u> Mr Soh - 2u Mrs Soh - 4u
		Abel	Mrs Sch Example A Mr Sch - 4u	Example 8	trs Soh harto 1) 1 82 U 80 U 20	iess money then Mrs Soh Example C Mr Soh - 2u
		Abel	Mrs Soh Example A Mr Soh - 4u Mrs Soh - 2u	Example B Mr Soh 3 Mrs Soh 2 B1: $\frac{1}{4} \times 3u =$	tra Soh malto 1) 1 82 u 8u u 2u	less money than Mrs Soh <u>Example C</u> Mr Soh - 2u Mrs Soh - 4u
			Mrs Soh Example A Mr Soh - 4u Mrs Soh - 2u	Example B Mr Soh 3 Mrs Soh 2	tra Soh malto 1) 1 82 u 8u u 2u	less money than Mrs Soh <u>Example C</u> Mr Soh - 2u Mrs Soh - 4u
		Abel	Mrs Soh Example A Mr Soh - 4u Mrs Soh - 2u	Example B Mr Soh 3 Mrs Soh 2 B1: $\frac{1}{4} \times 3u =$	trs Soh halto 1) 1 B2 u Bu u 2u 3 4 u	less money than Mrs Soh <u>Example C</u> Mr Soh - 2u Mrs Soh - 4u

Q6 to 17 (45 marks)

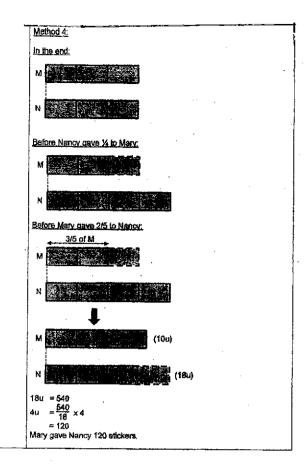
Qns	Answer	
6.	\$630	Method 1:
		4u
	·	Ali 5550
		Eva 260
		?
		3u = \$260 + \$550
		= \$810
	ļ	1 unit = \$810 ÷ 3 = \$270
		Amount of money each of them had at first
		= \$270 + \$260
		= \$530
		Method 2:
		1u + 550 = 4p
		1u - 260 = 1p
		4u - 1040 = 4p
		ידע נטיזט נף
•		4u - 1040 = 1u + 550
		3u = 1590
	Į	1u = 1590 ÷ 3
		= 530
	<u></u> .	Amount of money each of them had at first = \$530





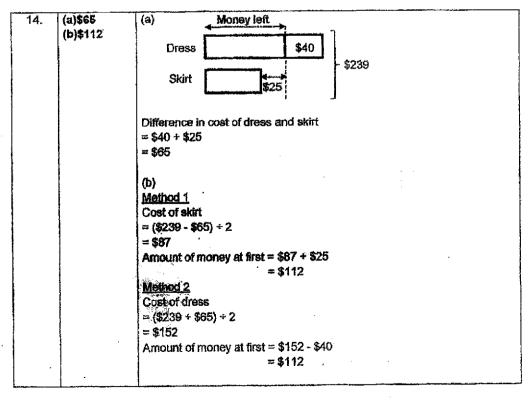


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11.	(a)	(a) Vol. of water in tank at first
, ,,	17 200 cm ³ /	17.
	17 200 ml/	$=\frac{3}{5} \times 50 \text{ cm} \times 28 \text{ cm} \times 30 \text{ cm}$
	17.28	≠ 25 200 cm³
		St. 1. San Street Involve
	•	Vol. of cubical tank = 20 cm x 20 cm x 20 cm
		= 8000 cm ³
		- 0000 0111
	351.1 (d)	Volume of water left in rect tank
	, , , , ,	= 25 200 cm³ - 8000 cm³
		= 17 200 cm³/ 17 200 m) / 17.2 €
		(b) Volume of 12 botiles
		# 314 -17.28
		= 13.6%
		Capacity of each bottle
		= 13.81+12
		= 1.160
12.		(a)
	(a) 5/36	Method 1
	ļ <i>-</i>	Fraction of audience who are girls
	(Б) 1260	$=\frac{1}{4}\times\frac{5}{9}$
	1	
		= 5 36
	Į	
	ĺ	Method 2 (Redio)
	į	A : C : B : C : Total 4 : 5 16 : 20 : 36 4 : 3 : 1
		A : C : B : G : 10th
		16: 20: 36:
		4 : 3 : 1 20 : 15 : 5 : M1
		Fraction of audience who are girls
]	
	1	= 5 36
	1	
		•

	****	(b)
		Method 1
		Fraction of boys more than girl
		$=\frac{1}{2} \times \frac{5}{8} \text{ OR } (\frac{3}{4} \times \frac{5}{9}) - (\frac{1}{4} \times \frac{5}{9})$
		1 ~ 3 ~ 3
		$=\frac{5}{18}$
		10
		5 18 of audience = 350
		18 or audience = 350
-		All of audience = $\frac{350}{5}$ x 18
		, [
		= 1260
		Method 2
	•	Total number of children = (350 ÷ 2) × 4
		=700
		5u = 700
		1u = 700 ÷ 5 = 140
		9u = 140 × 9
		≈ 1260
		Method 3 (Ratio)
		10u = 350
1		1u = 350 + 10 = 35
		38u = 36 × 35
		= 1280
-40	f-1 4000	
13.	(a) 132°	(a) ∠CBE = 81° - 60 = 21°
	(b) 12°	= 21° ∠BCE = 180° - (27° + 21°)
		= 132"
		- tong
		(b) ∠BCD = 180° - 132°
		≠ 48°
		∠ACD = 60° - 48°
		= 12°
Ĺ	<u></u>	



	T		
15.	$(a) \frac{6}{12}$	(a) $\frac{5}{12}$	
	I	12	
1	(b) 96 cm		
		(b)	
		Method 1	
	·],	Area of each small square	
	•	$= 768 \text{ cm}^2 \div 12$	
		= 64 cm ²	, , ,
		$8 \text{ cm } \times 8 \text{ cm} = 64 \text{ cm}^2$	
		Length of 1 side of square = 8 cm	
		Perimeter of shaded figure = 12 × 8 cm	
		≈ 96 cm	
		Method 2	
		Area of shaded figure	٠
		- -	•
i .		$=\frac{7}{12} \times 768 \text{ cm}^2$	
	1 .	= 448 cm ²	
		Area of 1 big square	·
	1	1 .	
		$=\frac{4}{7} \times 448 \text{ cm}^2$	
ļ	-	= 256 cm ²	
]		16 cm x 16 cm = 256 cm ²	'
		Length of 1 side of square = 16 cm	
		Perimeter of the shaded figure = 6 x 16cm	
		= 96 cm	
Ì		- 50 Wit	

16.	(a) 50-cent	(a)					•	
1	coins: 80		0-cent	:				
1	20-cent		enio		coins			
1	coins: 128	Method 1						Ì
1		Before After	5	:	4 4			
1	(b) \$65.60	Aner	2.5	•	7			
1	'	Method 2						1
İ		Before	5	:	4			ļ
			10	;	8			}
1		After	5	:	8			Ì
1		A standard of						į
		Method 1:						j
		2.50 + 40 ≠ 20						1
İ	1	fu = 20						1
		No. of 50-cent		£.,				į
		No. of So-cold		.5 x 32				į
	1		- <u>2</u> .					- 1
1	1	No. of 20-cent	_	-				ļ
	1	140. 01 20-LEIN		x 32				
	1		1					,
			- •	2.0				
-	1	Method 2:						
1		5u + 8u = 208						i
	1	1u = 208						,
1	†	= 16	•					- 1
		No. of 50-cent	t coins = 5	tī.				
			≈ 5	× 16				- 1
1		į	= 8	O				j
ı		No. of 20-cent	t coins = 8	u				
1				× 16				
1		1	≃ 1	28		•	-	
1		(b)						
1	1	Total value of	coins					
		= (80 x \$0.50)		0.20)				
		= \$40 + \$25.6	id .					
		≈ \$ 65.60						į
L						<u>.</u>		
				Q				

```
17. (a)12 h
                                         (a)
<u>Method 1:</u>
             (b) 5<sup>1</sup>/<sub>4</sub> h
                                        Memoa T:

1 min → 3 toys

So min → 80 x 3 toys

= 180 toys

No. of hours taken by Machine A
                                         ≠ 2160 ÷ 180
= 12 hours
                                         Method 2:
3 toys → 1 min
                                         2150 toys → (2160 + 3) min
                                                                ≈ 720 min
≈ 12 hours
                                     (b)

Idethod 1

Machine B:
S min → 7 toys
S0 mln → 7 toys × 20
= 140 toys
                                         Total number of toys in 1 hour by Machines A & 3 = 180 + 140 = 320
                                          1 h → 320 toys
                                         Total time taken by Machines A & B = 2160 \div 320
\div 6\frac{3}{4} hours
                                          No. of hours saved
                                          \approx 12 \text{ hours} - 6\frac{3}{4} \text{ hours}
                                           = 5<sup>1</sup>/<sub>4</sub> hours
PS Standard Mathematics €/2 2024
                                                                          17
```

Method 2
Total no. of toys produced every 3 min

= 7 + 9

= 16 toys
Machine A and B used at same time

2160 ÷ 16

= 135 sets
Total time taken by Machines A & B

= 135 x 3 min

= 405 min

= $6\frac{3}{4}$ h

No. of hours saved

= 12 hours - $6\frac{3}{4}$ hours

= $5\frac{1}{4}$ hours