METHODIST GIRLS' SCHOOL (PRIMARY) Founded in 1887



END-OF-YEAR EXAMINATION 2022 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.

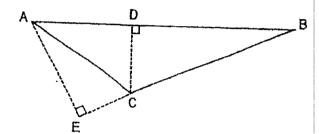
Name:		(
Class:	Primary 5	`	•
Date:	2 November 2022		

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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

- 1 In 6 475 123, which digit is in the hundred thousands place?
 - $(1) \qquad 7$
 - (2) 6
 - (3) 5
 - (4) 4
- 2 54 36 ÷ 3 x 4 = _____
 - (1) 6
 - (2) 24
 - (3) 51
 - (4) 168
- 3 10.060km = _____m
 - (1) 106
 - (2) 1006
 - (3) 10 006
 - (4) 10 060

- 4 Round 199 654 to the nearest 1000.
 - (1) 190 000
 - (2) 198 000
 - (3) 199 000
 - (4) 200 000
- 5 BC is the base of Triangle ABC. Which of the following is the corresponding height of Triangle ABC?

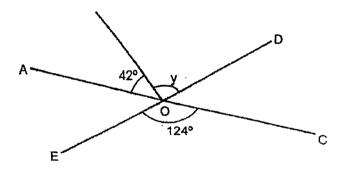


- (1) AC
- (2) AE
- (3) DC
- (4) AB
- 6 Find the value of $\frac{6}{5} \times \frac{1}{3}$.
 - (1) $\frac{2}{5}$
 - (2) $\frac{3}{4}$
 - (3) $\frac{7}{8}$
 - (4) $\frac{23}{15}$

7 Which one of the following is closest to 1?

- (1) $\frac{6}{7}$
- (2) $\frac{7}{6}$
- (3) $\frac{8}{9}$
- (4) $\frac{9}{8}$

8 AOC and EOD are straight lines. Find $\angle y$.



- (1) 96°
- (2) 82°
- (3) 69°
- (4) 56°

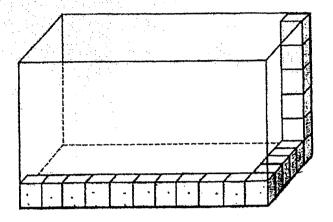
9 Express 0.053 as a percentage.

- (1) 0.053%
- (2) 0.53%
- (3) 5.3%
- (4) 53%

- 10 Mrs Muthu bought $\frac{3}{4}$ kg of coconut milk. She used $\frac{2}{5}$ of the coconut milk. How much coconut milk did she have left?
 - (1) $\frac{9}{20}$ kg
 - (2) $\frac{7}{20}$ kg
 - (3) $\frac{7}{10}$ kg
 - (4) $\frac{3}{10}$ kg
- 11 The ratio of the number of necklaces to the number of bracelets is 7 : 2.
- There are 126 necklaces and bracelets altogether. How many more necklaces than bracelets are there?
 - (1) 98
 - (2) 70
 - (3) 18
 - (4) 14
- 12 There are 560 performers at the stadium. $\frac{1}{4}$ of them are children. $\frac{1}{5}$ of the adults are women and the rest are men. How many men are there at the stadium?
 - (1) 448
 - (2) 336
 - (3) 308
 - (4) 252

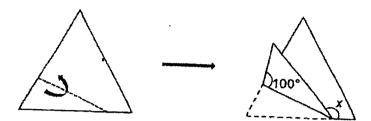
13 A rectangular glass container is partially filled with 1-cm cubes as shown.

What is the capacity of the glass container?



- (1) 275 cm³
- (2) 300 cm³
- (3) 330 cm³
- (4) 396 cm³
- Printer A prints at a rate of 50 pages per minute. Printer B prints at a rate of 40 pages per minute. How long will it take both printers to print a total of 1800 pages?
 - (1) 12 min
 - (2) .. 20 min
 - (3) 81 min
 - (4) 180 min

A plece of paper in the shape of an equilateral triangle is folded along the dotted line as shown. Find ∠x.



- (1) 20°
- (2) 40°
- (3) 140°
- (4) 160°

(Go on to Booklet B)

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END-OF-YEAR EXAMINATION 2022 PRIMARY 5 **MATHEMATICS**

PAPER 1 **BOOKLET B**

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

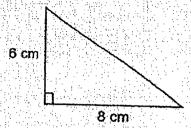
Do not turn over this page until you are told to do so. Follow all instructions carefully. Answer all questions. Write your answers in this booklet. The use of calculators is **NOT** allowed.

Name:		()	
Class:	Primary 5		
Date:	2 November 2022	Paper 1 Booklet A	/ 20
		Paper 1 Booklet B	/ 25
		Paper 2	/ 55
Parent's S	Signature:	TOTAL	/ 100

This booklet consists of 9 printed pages including this page.

prov	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	243 x 3000 =		
	Ans:		
17	Find the value of (33 + 4 x 25) - (100 - 30 ÷ 6).		
	Ans:		
18	Mary poured 7160 ml of orange juice equally into 40 glasses. How much juice was there in each glass?		
***	Ans: ml		

19	Find th	e area o	f the triangle.



Do not write in this space

Ans:		cm²
------	--	-----

What is the missing value in the ratio below?

	:	8	=	28	:	56
-					•	

Ans:

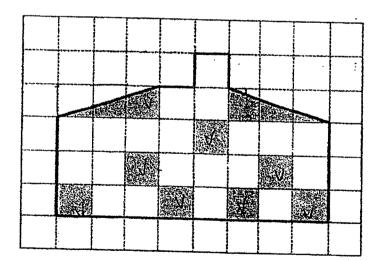
you		spaces provided. For	how your working clear questions which requir	-	in this space
21			Jane to swim 50 m reco answer the following qu		·
		Day 1	22.5 s		
		Day 2	21.8 s	7	
		Day 3	24.5 s		
		Day 4	23.2 s		
		n day did Jane clock th	Ans: (a) Day		
	(b) What wa	as the average time tal	ken for Jane to swim 50) m over the	
			Ans: (b)	S	1

^~								
22	. In Jenny	/'s class	of the	pupils o	come to so	hool by ca	r, 20% of th	o numile
						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 20% Of til	e hahus
	4-1 41	당하다		1				
	take the	school	ous and ;	of the	pupils wal	k to schoo	. The rest of	of the
11.25	ciass tai	ces the M	AKI to s	chool.	What perce	entage of J	lenny's clas	s takes
	the MR7	to scho	ol?					

Do not write in this space

Ans:		%
------	--	---

Andy drew a figure in the square grid and shaded some parts. How many more square(s) must be shaded such that $\frac{3}{5}$ of the figure is shaded?



. .	•	
Ans:		

24	Sammy has a plank of wood measuring 2.1 m. He saws it into 2 pieces. One piece is 25 cm longer than the other piece. What is the length of the shorter piece of wood? Give your answer in cm.	Do not write in this space
	Ans: cm	
25	The volume of cuboid P is 2 times the volume of cuboid Q. Find the volume of cuboid Q.	
	10 cm 2 3 cm	
	Ans: cm ³	

There are some books on a shelf. $\frac{3}{5}$ of the books are fiction while the rest are non-fiction, $\frac{2}{3}$ of the non-fiction books are in Chinese while the rest are in Malay. There are fewer children's fiction books than adult fiction books.

Do not write in this space

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

	True	False	Not possible to tell
(a) There are fewer children's fiction books than Malay non-fiction books.			
(b) The greatest number of books on the shelf are adult fiction books.			

27	In the diagram, ABCD is a rectangle and AEFD is a square. The ratio of the AE to EB is 3:2. What percentage of rectangle ABCD is shaded?	Do not write in this space
	A E B D F C	
~• -	· Ans: %	
28	In the square grid, the line AB has been drawn for you. Draw a right-angled isosceles triangle ABC, where AB = BC. Label point C.	
	A	
	В	
•		

ABC is an isosceles triangle. AC AE = 18 cm and BC = 12 cm. Fi	ind the area of the unshad	ed part.	Do no in this
0 18 cm			
B E C			
	Ans:	cm ²	
Kumar made a pattern using thre and circles. The first 18 shapes i	ee different shapes: stars, in the pattern are shown.		
Kumar made a pattern using three and circles. The first 18 shapes in the pattern of shapes in the pattern?	in the pattern are shown. \(\begin{align*} \begin{align*} \lambda & \lambd	triangles . △ ☆ 18 th	
There were 46 triangles in the pa	in the pattern are shown. \(\begin{align*} \begin{align*} \lambda & \lambd	triangles . △ ☆ 18 th	

For more papers, Go to: SeriousAboutSchool.com/OnlineExams

End of Paper

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



END-OF-YEAR EXAMINATION 2022 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:	(}
Class:	Primary 5.	,
Date:	2 November 2022	
		55

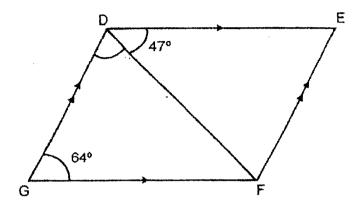
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answe	ions 1 to 5 carry 2 marks each. Show your working clearly and write your ers in the spaces provided. For questions which require units, give your ers in the units stated. (10 marks)	Do not write in this space
1.	Meiling bought 3500 g of flour. She gave $\frac{1}{2}$ of it to her sister and used	
	400 g to bake a cake. How much flour had she left? Give your answer in kg.	
	Ans: kg	
2	For every \$4 that Jimmy saved, his father gave him another \$2.50. How much would Jimmy's father have given him when he had a total of \$157?	
	i	
	Ans: \$	

3	The perimeter of a rectangular of the room to the breadth of	ar room is 126 m	The ratio of the leng	ith	Do not write
	the room?				in this space
		Ans:		m	
4	A rectangular tank measuring with water. How many more litto the brim?	30 cm by 20 cm itres of water is r	by 25 cm is $\frac{2}{3}$ - filled needed to fill the tank		
		Ans:		٤	

5 DEFG is a parallelogram. \angle EDF = 47° and \angle DGF = 64°. Find \angle GDF.

Do not write in this space



Ans: _____ °

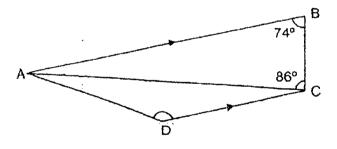
For questions to 6 to 17, show your workings clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question. (45 marks)			Do not write in this space	
6	There are 150 items in a bag. 48% of the items are pens. The rest of the items are erasers, rulers and 48 pencils. The ratio of the number of erasers to the number of rulers is the same as the ratio of the number of pens to the number of pencils. How many rulers are there in the bag?	•		
	Ans:	[3]		
7	Danny had a sum of money. He spent \$315 on a mobile phone and $\frac{3}{5}$ of the remaining money on a headphone. He then had $\frac{1}{10}$ of the sum of money left. How much money did Danny have at first?		-	
	Ans:	[3]		

On Monday, the number of boys who registered for a contest was three times the number of girls. On Tuesday, another 50 boys registered for the contest white 20 girls withdrew from it. A total of 2454 registrations were confirmed at the end of the two days. How many more boys than girls registered for the contest?

Do not write in this space

Ans:	[3	ļ
		,

ABCD is a trapezium. ACD is an isosceles triangle where AD = DC.
 ∠ABC = 74° and ∠ACB = 86°. Find ∠ADC.



Ans:	[3

10	ABC is an equilateral triangle. \angle ABD = 20° and \angle ACD = 41°. BOD is a straight line.	Do not write in this space
	(a) Find ∠ BDC. A \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	20¢ 419 B C	
· •	•.	
	Ans: (a)	2]
:	(b) Find ∠ AOD.	
		The state of the s
	•	
•	Ans: (b) [2	2]
	(Go on	to the next page)

11 Figure 1 shows part of the pattern formed when identical rectangular Do not write tiles were used to completely cover a rectangular floor measuring in this space 6.75 m by 3.6 m. Figure 2 shows an example of one such tile. How many rectangular tiles were used altogether? 6.75 m Figure 2 3.6 m Figure 1

(Go on to the next page)

[3]

12 The table shows the cost of cable car tickets.

	and the second party	
Type of Ticket	Weekdays	Weekends & Public Holidays
Adult	\$28	\$32
Child (12 years old and below)	\$20	\$24

(a) Mr Tan took a cable car ride with his wife and 2 children last Saturday. His children are 10 years old and 14 years old. How much did Mr Tan pay for the tickets altogether?

ns: (a)	[2]		
		i	

(b) \$2520 was collected from the sale of 104 tickets on Tuesday. How many child tickets were sold on that Tuesday?

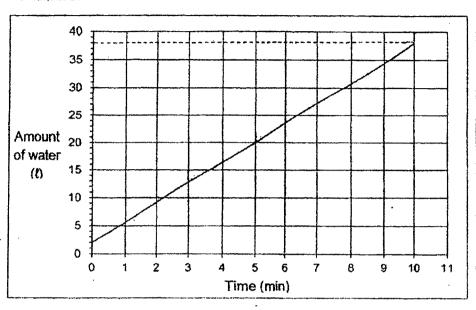
ns: (b)	[3]	
	ι	J

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Do not write in this space

The graph shows the rate at which water is flowing into a tank over 10 minutes.

Do not write in this space



(a) How much water was flowing into the tank per minute?

Ans: (a) _____ [1]

(b) At the end of 10 minutes, the tank was $\frac{4}{5}$ -filled with water.

Find the capacity of the tank.

Ans: (b) ______ [2]

.

14 The table shows the marks obtained by Jane and Susan for 4 subjects.

	Jane	Susan
English	78	90
Mathematics	8	78
Science	5.5	83
Mother Tongue	79	?
Average Mark	80.5	78
	L	l

Do not write in this space

(a) How many marks did Susan get for Mother Tongue?

	**		
ıns: (a)	•	[2]	

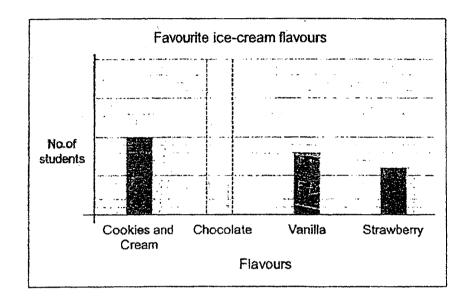
(b) Part of Jane's marks was covered by an ink blot. What was the highest possible mark that she could have gotten for Mathematics?

Ans: (b) ______[2]

15 The table shows the favourite ice-cream flavours of some students.

Percentage of students
25%
40%
20%
15%

Do not write in this space



(a) Based on the table, draw in the bar to represent the percentage of students who like chocolate. [1]

CHILDREN'S DAY PROMOTION!!!



1 tub: \$12.50

Buy 5 tubs, get 1 tub free!

(Price does not include 7% GST)

(b) Ms Ong wants to buy 13 tubs of ice-cream for her class. Based on the Children's Day promotion above, what is the least amount of money she needs to pay for the ice-cream including GST?

Round your answer to the nearest dollar.

Ama: /h)			
Ans: (b)	•	[3]	

(Go on to the next page)

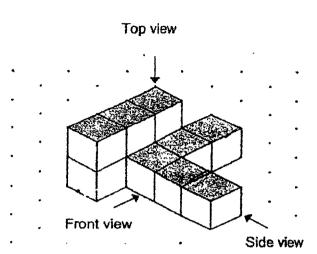
Do not write in this space

16	Samuel has a collection of toy vehicles. $\frac{1}{3}$ of them are motorcycles. $\frac{3}{5}$ of his remaining collection are trucks and the rest are cars. $\frac{1}{4}$ of the cars are red and the rest are blue.	Do not write in this space
	(a) Samuel has 12 red cars. How many toy trucks does he have?	
	Ans: (a) [1] (b) What fraction of Samuel's collection are blue cars?	
	Ans: (b) [1]	

(C)	Samuel's mother gave him some more many $\frac{5}{8}$ of his collection are now motorcycles.	notorcycles, such that	Do not write in this space
	did Samuel's mother give him?		
	var s		
		•	
		•	
		•	
•	•		
	Ans: (c)	[3]	

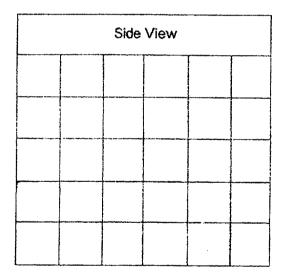
17 The solid shown is made up of 1-cm cubes.

Do not write in this space

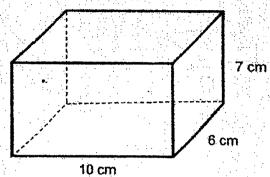


(a) Draw the side view in the square grid.

[1]



Michael placed the solid into an open rectangular box.



(b) How many more 1-cm cubes must Michael put into the box to fill it up completely?

Ans: (b)	[2]
	£,

(c) How many cubes touch the inside of the box when it is completely filled?

Ans: (c)	[2]	

END OF PAPER

YEAR : 2022

LEVEL : PRIMARY 5

SCHOOL: METHODIST GIRLS' SCHOOL (PRIMARY)

SUBJECT: MATHEMATICS

TERM. : END OF YEAR EXAMINATION

PAPER 1 (BOOKLET A)

Q1	4	Q2	1	Q3	4	Q4	4	05	2
Q6	1	Q7	3	Q8	2	Q9	3	Q10	1
Q11	2	Q12	2	Q13	4	Q14	2		3

(BOOKLET B)

(ROO	KLET B)	
Q16	729 000	
Q17	$(33 + 4 \times 25) - (100 - 30 \div 6)$	
	$=(33+100)-(100-30\div6)$	
	= 38	
Q18	7160 ÷ 40 = 179ml	
Q19	$\frac{1}{2} \times 6 \times 8 = 24 \text{cm}^2$	
Q20	56 ÷ 8 = 7	
	28 ÷ 7 = 4	
Q21	a) Day 2	
	b) 22.5 + 21.8 + 24.5 + 23.2	
	= 92. 9 s	
Q22	$\begin{bmatrix} \frac{2}{6} + \frac{1}{6} = \frac{3}{6} \end{bmatrix}$	
	2	
	Ans: 30%	
Q23	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	5 30 18-10=8	
Q24	210 - 25 = 185	
	$185 \div 2 = 92.5 \text{cm}$	
Q25	4 x 3 x 10 = 120	
-	$120 \div 2 = 60 \text{cm}^3$	
Q26	a) Not possible to tell /	\dashv
	b) True /	
Q27	$\frac{2}{5} \times 100\% = 40\%$	\dashv
	- 3	- 1

Q28	A No.
Q29	$\frac{1}{2} \times 12 \times 18 = 108$
	$\frac{1}{2} \times 12 \times 6 = 36$
	108 - 36 = 72cm ²
Q30	46 ÷ 3 = 15R1
	6 x 15 = 90
	90 + 3 = 93

LEVEL: PRIMARY 5

SCHOOL: METHODIST GIRLS' SCHOOL (PRIMARY)

SUBJECT: MATHEMATICS

TERM: END OF YEAR EXAMINATION

P	1	1	P	E	R	2

PAPE	R 2	
Q1	$\frac{1}{2}$ x 3500 = 1750	
	1750 - 400 = 1350	
	1.35kg	
Q2	4 + \$2.50 = \$6.50	
	$$157 \div $6.50 = 24\frac{2}{12}$	
•	24 x \$6.50 = \$156	
	\$157 - \$156 = \$1	
	24 x 2.50 = \$60	
Q3	14u : 126	
	1u:9	
	4u : 36m	
Q4	$\frac{2}{3}$ x 30 x 20 x 25 = 10 000	!
	30 x 20 x 25 = 15 000	
	15 000 - 10 000 = 5000	
	5 litre	
Q5	64 + 47 = 111	
	180 - 111 = 69°	
Q6	Pens : Pencils	
	72:48	
	3:2	
	E:R	
	3:2	
		i de la companya de
	Pens : 48% x 150 = 72	
	150 - 72 - 48 = 30	
	E + R = 30	
	5u:30	
	1u:76	
07	2u:12	
Q7	$\frac{1}{10}$: 2u	,
	$1u:\frac{1}{20}$	
	1u: $\frac{1}{20}$ R: $\frac{1}{4}$ of original	
	$\begin{vmatrix} \frac{3}{4} : 315 \\ \frac{4}{4} : $420 \end{vmatrix}$	
	4 . 6470	
	- : \$420	

Q8	2/1	54 - 50 = 2404
Qo	Ī	04 + 20 = 2424
	1	****
		24 ÷ 4 = 606
	ł	l8 + 50 = 1868
	1	5 – 20 = 586
-	~	58 - 586 = 1282
Q9	í	+ 86 = 160
	1	0 – 160 = 20
-	 	$1-20-20=140^{\circ}$
Q10	(a)	1
		20 + 60 = 80
		180 - 80 = 100
1	Ш	41 + 60 = 101
-	$\parallel \parallel$	101 + 40 = 141
		180 - 141 = 39°
	b)	80°
Q11	1	÷ 2 = 7.5
	,	7.5 = 112.5
•	6.75	m : 675cm
	1	n : 360cm
	í	x 360 = 243 000
		$000 \div 112.5 = 2160 \text{cm}^2$
Q12	a)	32 x 3 = 96
		96 + 24 = \$120
	b)	Suppose all are adult
		Total: 28 x 104 = 2912
	ļ	Extra: 2912 - 2520 = 392
		Diff: 28 – 20 = 8
		Opposite: 392÷ 8 = 49
Q13	a)	38 - 2 = 36
		36 ÷ 10 = 3.60
	b)	$\frac{4}{5}$: 38
		$\frac{3}{5}$: 9.5
		5.3.3
		$\frac{5}{5}$: 9.5 x 5 = 47.5 e
Q14	a)	78 x 4 = 312
		312 - 90 - 83 - 78
1		= 61
1	b)	80.5 x 4 = 322
		322 - 78 - 79 = 165
		Sci : lowest possible
	1	165 – 80 = 85

