PEI HWA PRESBYTERIAN PRIMARY SCHOOL PRELIMINARY EXAMINATION PRIMARY 6							
MATHEMATICS PAPER 1 (BOOKLET A)							
18 August 2023							
Name:							
Form Class / Register No. : 6R/							
Total time for Booklets A and B: 1h							
INSTRUCTIONS TO CANDIDATES							
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This booklet consists of 6 printed pages, excluding the cover page.

Paper 1 (Booklet A)

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

- 1. Which of the following is a common multiple of 6 and 8?
 - (1) 12
 - (2) 16
 - (3) 18
 - (4) 24
- 2. What does the digit 3 in 6.375 stand for?
 - (1) 3 ones
 - (2) 3 tenths
 - (3) 3 hundredths
 - (4) 3 thousandths
- 3. Which of the following is equal to $4\frac{3}{5}$?

(1) $\frac{12}{5}$ (2) $\frac{17}{5}$ (3) $\frac{23}{5}$ (4) $\frac{43}{5}$

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- 4. The diagram shows a home refrigerator. Which of the following could be the height of the refrigerator?
 - (1) 1.8 cm
 - (2) 18 cm
 - (3) 1.8 m
 - (4) 18 m



- 5. Sara had 6 pink, 9 purple and 5 brown ribbons. Find the ratio of the number of brown ribbons to the total number of ribbons she had.
 - (1) 1:3
 - (2) 1:4
 - (3) 5:6
 - (4) 5:9
- 6. What percentage of the stars are shaded?



- (1) 6%
- (2) 9%
- (3) 40%
- (4) 60%

	3.18 kg		3 kg 108 g	3 <mark>1</mark> 3 8	(g
,	<u>Heaviest</u>				Lightest
(1)	3 <mark>1</mark> kg	*	3 kg 108 g	٠	3.18 kg
(2)	3.18 kg		3 <mark>1</mark> kg	,	3 kg 108 g
(3)	3.18 kg	ı	3 kg 108 g	ı	3 <mark>1</mark> kg
(4)	3 kg 108 g	,	3.18 kg	ŀ	3 <mark>-1</mark> kg

7. Arrange these masses from the heaviest to the lightest.

8. In the figure, how many of the six marked angles are greater than 90°?

- (1) 5 (2) 2 (3) 3
- (4) 4



9. Which of the following is not a net of a solid?





(2)





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10. The table shows the mode of transport taken by a group of pupils to school. Which mode of transport is taken by the greatest number of pupils?

Mode of Transport	Number of Girls	Number of Boys
Car	35	35
Bus	34	39
Train	31	41
Cycling	19	25

- (1) Car
- (2) Bus
- (3) Train
- (4) Cycling
- 11. Kimi bought $\frac{3}{4}$ kg of flour. She used $\frac{1}{4}$ of it to bake a cake. She packed the remaining flour into 3 bags equally. How much flour did she have in each bag?
 - (1) $\frac{1}{6}$ kg (2) $\frac{1}{16}$ kg (3) $\frac{3}{16}$ kg (4) $1\frac{1}{2}$ kg
- 12. A semicircle was cut from a rectangle as shown below. The perimeter of the rectangle before it was cut was 56 cm. What is the perimeter of the shaded figure? (Take $\pi = \frac{22}{7}$)



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	From	То	Mode	Duration
Option A	Home	Interchange	Walk	15 min
Option B	Home	Interchange	Bus	10 min
Option C	Interchange	Workplace	Bus	1 h 20 min
Option D	Interchange	Workplace	MRT	1 h 10 min

13. Danish reports to work at 09 30. The table shows the different travel options he can take to go to work.

This morning, Danish left home at 07 55 and reached his workplace 10 minutes before his reporting time. Which travel options did he take?

- (1) A and C
- (2) A and D
- (3) B and C
- (4) B and D
- 14. In the figure, AOC and BOE are straight lines. $\angle AOB = 285^{\circ}$. Find $\angle EOD$.
 - (1) 31º
 - (2) 44°
 - (3) 61°
 - (4) 75°



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15. The bar graph shows the number of files sold from March to July.



In which of the following months was the percentage change in the number of files sold the greatest?

- (1) March to April
- (2) April to May
- (3) May to June
- (4) June to July

- End of Booklet A -

PEI HWA PRESBYTERIAN PRIMARY SCHOOL PRELIMINARY EXAMINATION PRIMARY 6 MATHEMATICS PAPER 1 (BOOKLET B) 18 August 2023
Name : Form Class / Register No. : 6R/
Total time for Booklets A and B: 1h <u>INSTRUCTIONS TO CANDIDATES</u> 1. Write your Name, Class and Register No. in the spaces provided
above. 2. DO NOT turn over this page until you are told to do so. 3. Follow all instructions carefully.
4. Answer all questions.
5. Write all your answers in this booklet.
6. The use of calculator is NOT ALLOWED.
Marks (Booklet A) : 20
Marks (Booklet B) : 25
Total Marks (Booklets A and B): 45

This booklet consists 8 printed pages, excluding the cover page.







			Do not write in this space
23.	Ac	ar travels 270 km on 30 t of petrol.	
	(a)	How many kilometres can the car travel on 1 t of petrol?	
		Ans: (a) km	
	(b)	How much petrol is needed for the car to travel 180 km?	
		Ans: (b) {	
24.	Ben	had some marbles. The number of blue marbles was $\frac{1}{2}$ the number of	
	red	marbles. The number of red marbles was $\frac{4}{5}$ the number of green marbles.	
	(a)	Find the ratio of the number of blue marbles to the number of red marbles to the number of green marbles.	
		Ans: (a)	
	(b)	There were 42 blue and green marbles altogether. How many red marbles were there?	
		Ans: (b)	

4







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			B				1		X		
(a)	INGO DI		write dow								
(-)	1115031		WIIIS GO				:: (a)				
(-)	ITICO SI						:: (a)				
(b)	(Jeino	the line eter as l	wing do. WX, dra triangle A	w a da	raileio	Ans oram WX	(YZ su	ich tha	at it ha	as the) sa
	Using perim	the line eter as l	WX dra	w a da	raileio	Ans oram WX	(YZ su	ich tha	at it ha	as the) sa labe
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End of paper

8

PEI HWA PRESBYTERIAN PRIMARY SCHOOL								
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C. A.		MATHE	ARY 6 MATICS ER 2					
		18 Aug	ust 2023					
Name :				P	arent's signature			
Form Clas	s / Registe	er No. : 61	R/_					
				То	tal time: 1h 30min			
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		ANDIDATES						
1. Write you above.	ur Name, C	lass and Regis	ster No. in th	ne spaces	provided			
2. DO NOT	turn over ti	nis page until y	ou are told	to do so.				
3. Follow al	l instruction	s carefully.						
4. Answer a	Il questions	5.						
5. Write all y	your answe	rs in this book	let.					
6. The use of	6. The use of an approved calculator is expected, where appropriate.							
Booklet A :		Booklet B :		Total:	45			
Manual			P	aper 2 :	55			
	Total Marks : 10							

This booklet consists of 17 printed pages, excluding the cover page.







BP~744







10. The bar graphs show the number of books sold by shops A, B and C in 2020 and 2021. Shop A sold the same number of books in 2020 and 2021. The number of books sold is not shown on both scales.











PHPPS/Math/P6/Prelim/P2/2023





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1 ... i







	Statement	True	False	Not Possible to Tell	
Mach mach	ine B printed 40 more stickers than nine A in the first hour.				
Mach mach	ine A took 30 minutes less than nine B to print 400 stickers.				
	tines A and B printed a total of 640 area in $1\frac{1}{2}$ hours.				
(b)	Both machines did not change	their ra	tes of	printing through	[2] ghout.
	When machine B had printed 80 machine A printed?	0 sticke	rs, now	many suckers	5 IIGU

SCHOOL		PEI HWA SCHOOL
LEVEL	:	PRIMARY 6
SUBJECT		MATH
TERM	:	2023 PRELIM

PAPER 1 BOOKLET A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4	2	3	3	2	3	2	3	4	2

Q 11	Q12	Q13	Q14	Q15
3	2	2	1	4

PAPER 1 BOOKLET B

Q16)	3
	18
Q17)	0.029
Q18)	1250ml
Q19)	67°
Q20)	10
Q21)	a)11e+3
	b)24
Q22)	a)5.42
	b)0.103
Q23)	a)9km
	b)20L
Q24)	a)2:4:5
	b)24
Q25)	
Q26)	72cm2
Q27)	a) H
/	b) D
Q28)	105ml
•	

•



PAPER 2

	a)9540
	b)5094
Q2)	B+C
Q3)	28
Q4)	8÷2 = 4
	4 – 3 =1
	1u = left (0)
	104 ÷ 2 = 52
:	52 x 8 = 416
Q5)	a)
	b)9 x 2 = 18 square units
Q6)	a)87 + 65 = 152km
	b)532 ÷ 152 = 3½ = 3 hours 30 min
	1040 3 hours 1340 30min 1420
	1040 3 hours 1340 30min 1420
	Ans : 1420
[

BP~761

Q7)	a)\$(4y-5)
	b)140 + 10 = 150
	150 – 20 = 130
	130 ÷ 5 = 26
Q8)	190% → 1402 + 80 = 1482
,	10% → 78
	100% → 780
	780 - 80 = 700
Q9)	a) ¼ x 3.14 x 10 x 10 = 78.5cm2
_ -)	b) $\frac{1}{4} \times 3.14 \times 20 = 15.7$
	15.7 + 6 + 10 = 31.7cm
Q10)	
	420 ÷ 28 = 15
	15 x 12 = 180
	b)100 – 25 = 15
	15 x 24 = 360
	$360 \div 100 = 3.6$
	3.6 x 75 = 270
	15 x 15 = 225
	270 – 225 = 45
	45/225 x 100 = 20%
Q11)	a)25 , 100, 125
. ,	b)14
	c)5508
	-> Ulaurah
Q12)	a) Hannah b) 35.50 – 9.80 = 25.70
	$28 \times 25.70 = 719.69
	c) 21
Q13)	a)300
	b)186
Q14)	a) $180^\circ - 67^\circ - 67^\circ = 46^\circ$
<i>– · · ·)</i>	b)180° - 88° - 67° = 25°
	$c)360^{\circ} - 90^{\circ} - 67^{\circ} - 67^{\circ} = 136^{\circ}$
	(180° – 136°) ÷ 2 = 22°

Q15)	a)25.2L = 25200ml 25200 ÷ 15 ÷ 30 = 56cm	
	b)9.04 a.m.	
Q16)	a)54° b)12°	
Q17)	a) True False False	
	b)480 – 160 = 320	

BP~764