PEI HWA PRESBYTERIAN PRIMARY SCHO PRELIMINARY EXAMINATION	DOL
PRIMARY 6 MATHEMATICS PAPER 1 (BOOKLET A)	
19 August 2021	
Name:	
Form Class / Register No. : 6R/	
Total time for Book	lets A and B: 1h
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INSTRUCTIONS TO CANDIDATES	
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This booklet consists of <u>8</u> printed pages, excluding the cover page.

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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)

Round 355 074 to the nearest thousand. 1. 300 000 (1)350 000 (2)355 000 (3)360 000 (4) Which of the following fractions is **not** equivalent to $\frac{1}{3}$? 2. $\frac{2}{6}$ (1) $\frac{3}{9}$ (2) (3)10 5 15 (4) In 5.789, what does the digit 7 stand for? 3.

- (1) 7 ones
- (2) 7 tenths
- (3) 7 hundredths
- (4) 7 thousandths

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4. Which of the following shows 80% of its figure shaded?



- 5. There were 12 red, yellow and green beads. 4 beads were red, 3 were yellow and the rest were green. Find the ratio of the number of red to yellow to green beads.
 - (1) 3:5:4
 - (2) 4:3:5
 - (3) 4:5:3
 - (4) 5:3:4
- 6. Mrs Lim uses the pail as shown for mopping the house daily. Which of the following could be the capacity of the pail?
 - (1) 8 ℓ
 - (2) 8 m l
 - (3) 80 {
 - (4) 80 m l





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	10.15 kg		10 kg 15 g	_,	10 <mark>1</mark> kg	
	Heaviest				Lightes	<u>t</u>
(1)	10 <mark>1</mark> kg	,	10.15 kg	,	10 kg 15	i g
(2)	10 <mark>1</mark> 10 <mark>5</mark> kg	1	10 kg 15 g	,	10.15 kg]
(3)	10.15 kg	3	10 kg 15 g	1	10 <mark>1</mark> kg	
(4)	10 kg 15 g	,	10 <mark>1</mark> kg	,	10.15 k	g

7. Arrange the following from the heaviest to the lightest.

8. Which of the following figures has at least 2 lines of symmetry?



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9. Which two lines in the square grid below are parallel to each other?

- (1) AB and BE
- (2) AF and CD
- (3) BE and CD
- (4) AF and BE
- 10. The table shows the favourite food of a group of pupils. Which type of food is the most popular among the boys?

Food	Number of Girls		
	Inditibel of GIRS	Number of Boys	Total Pupils
Pizza	49	45	
Burger	40		94
	-+0	49	89
Fried Rice	50	44	
Fried Noodle	47		94
	41	48	95

- (1) Pizza
- (2) Burger
- (3) Fried Rice
- (4) Fried Noodle

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The solid below is made up of 9 cubes.
 Which of the following shows the two correct views of the solid?

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- 12. The figure below shows a circle with a square inside it. The diameter of the circle is 14 cm. Find the total area of the shaded parts.
 - (1) $(49\pi 49) \text{ cm}^2$
 - (2) $(49\pi 98) \text{ cm}^2$
 - (3) $(196\pi 98) \text{ cm}^2$
 - (4) $(196\pi 196) \text{ cm}^2$



13. The figure below shows a square ABCD with E and F as mid-points. 3 smaller squares are shaded as shown. What fraction of the square ABCD is shaded?



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14. Two figures M and N are shown in the square grid below. $\angle v = \angle x$.

Which of the statement(s) is/are true?

- A. $\angle w + \angle x + \angle y + \angle z = 360^{\circ}$
- B. Figure M has the same perimeter as Figure N
- C. Figure M has the same area as Figure N
- (1) Conly

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- (2) A and B only
- (3) A and C only
- (4) B and C only

15. The table shows how a group of 110 students go to school.

10-1				
Mode	Walk	Bus	Car	Train
Students	20		Vui	Train
Olddenis		40	15	25

Which of the following bar graphs represents the information shown in the table above?



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PRELIMINARY EXAMINATION	
PRIMARY 6 MATHEMATICS PAPER 1 (BOOKLET B)	
19 August 2021	
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Total time for	Booklets A and B: 1h
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 Write your Name, Class and Register No. in the spa above. 	aces provided
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 .	
	00
Marks (Booklet A)	: 20
Marks (Booklet B)	25
Total Marks (Booklets A and B)	. 45

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answe	ions 21 to 30 carry 2 marks each. Show your working clearly and write your ers in the spaces provided. For questions which require units, give your answers units stated. (20 marks)	Do not write in this space
21.	10.4 kg of flour was packed equally into 20 bags. How much flour was in each bag?	
	Ans:kg	
22.	A machine prints 60 pages in 10 minutes. At the same rate, how many pages can it print in 2 hours?	
	Ans:	
23.	Find the value of $4t - \frac{5t}{3} + 8$ when $t = 6$.	
	Ans:	
24.	Siti had 1 ℓ of syrup. She used $\frac{1}{5}\ell$ of syrup on Saturday and $\frac{5}{6}$ of the remaining syrup on Sunday. How many litres of syrup did Siti have left?	
	Ans:	£
<u> </u>	2	

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30. The figure below shows a trapezium VWXY. VZY is a straight line.



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.

Statement	True	False	Not possible to tell
∠a + ∠b + ∠c + ∠d = 180°			
∠b + ∠c = 90°			
WXYZ is a trapezium			

End of Paper

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PEI HV	VA PRESBYTERIAN PRIM	ARY SCH Ation	OOL
	PRIMARY 6 MATHEMATICS PAPER 2		
	19 August 2021	Pa	ent's signatu
Name:			
Form Class / R	Register No. : 6R/	<u>,</u>	
		T _4	al time: 1h
		101	
INSTRUCTIONS	S TO CANDIDATES		
1. Write your Na above.	ame, Class and Register No. in	the spaces	provided
2. DO NOT turn	over this page until you are to	d to do so.	
3. Follow all inst	tructions carefully.		
	vections		
4. Answer all qu			
	r answers in this booklet.		
5. Write all your		ed, where a	appropriate
5. Write all your	r answers in this booklet.	ed, where a	appropriate

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-		in this space
A re	ectangle has a perimeter of $(y + 9)$ cm. The breadth is 2 cm.	
(a)	What is the length of the rectangle in term of $y?$	
(b)	Find the area of the rectangle if y is 11 cm.	
		r
•		
	Ans (a):c	m
		;m²
	(b):C	, , , , , , , , , , , , , , , , , , ,
In	a bag, $\frac{3}{8}$ of the buttons were green. There were four times as many b	lue
29	red buttons. There were 24 more blue than green buttons. What was	olue the
29	a bag, $\frac{3}{8}$ of the buttons were green. There were four times as many bared buttons. There were 24 more blue than green buttons. What was tal number of buttons in the bag?	olue the
29	red buttons. There were 24 more blue than green buttons. What was	olue the
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29	a red buttons. There were 24 more blue than green buttons, what was tal number of buttons in the bag?	blue the

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Mass Step	By Sea	By Air
First 100 g	\$0.40	\$1.80
For every additional 100 g	\$1.20	\$8.40

- (a) Kelly sent a parcel weighing 250 g to Korea by sea. How much did she pay for the mailing charges?
- (b) Mary paid a total of \$29.20 to send a parcel to Korea. By which way did she send the parcel? What was the greatest possible mass of the parcel in kilograms?



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3

(Go on to the next page)

There are 8 boys and 14 girls. An equal number of sweets were given to each child. When the girls gave $\frac{2}{3}$ of their sweets to the boys, the boys had 264 more sweets than the girls. How many sweets did the girls give to the boys? Ans: [3] PHPPS/P6/Prelim/P2/2021 8 (Go on to the next page) www.testpapersfree.com

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- (a) What was the amount of water in the tank when Tap B was turned on at 18 05?
- (b) What was the amount of water left in the tank at 18 15?

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(c) How many litres of water was drained out in a minute?





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(a)	What fraction of his money did Jack spend?	
(b)	How much money did Bill receive?	
	Ans: (a)	[2]
	(b)	[2]
		(Go on to the next page

Jack had 3 times as much money as Bill at first. Bill received some money and Jack spent some money. The amount Bill received was 4 times the amount Jack spent. After that, both of them had the same amount of money.





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15.	Sunc	collected \$235 in a donation drive on Sat \$10 notes were in the ratio of 6 : 3 : 2. Da lay. As a result, the number of \$2 notes wa per of \$5 notes was increased by 40%. The	her \$68 on		
	(a)	How many \$10 notes were collected on			
	(b)	What was the percentage increase in the collected from Saturday to Sunday?	e number of \$10 n	otes	
		Ans: (a)	[2]	[]
	<u> </u>	(b)	[3]	
PHF	PPS/P6/	/Prelim/P2/2021 16		(Go on to th	e next page)
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Ans: (b)[1]
(c) Small:	
Large:[2]
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-- End of Paper 2 --

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- SUBJECT : MATH
- TERM : 2021 SA2

PAPER 1 BOOKLET A

			r								
	Q1	Q2	03	Q4	05	06	07	00			
	2				<u> </u>	00	<u> </u>	U 8	Q9	Q10	
1	<u> </u>	3	2	3	2	1 1	1	2	A		
						L	······		4	2	

Q 11	Q12	Q13	Q14	Q15
3	2	4	3	3

PAPER 1 BOOKLET B

Q16)		
(2,10)	5 6	
017		
Q17)	62.5	
Q18)	3.75	· · · · · · · · · · · · · · · · · · ·
Q19)	4	······································
Q20)	May to June	
Q21)	0.52kg	
	9	
Q22)	720	· · · · · · · · · · · · · · · · · · ·
Q23)	6 x 4 = 24	
	5 x 6 = 30	
	24 - 30/3 + 8 = 22	
Q24)	2/15	
Q25)	a) 8h 15min	
	b) 0810	2 2 2
Q26)	a) South west	
	b) / E	
Q27)	64cm ²	
Q28)	\$7.40	
	<u>/111h</u>	
Q30)/	True	
	True	
x	False	

PAPER 2



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