

2019 PRIMARY 6 PRELIMINARY EXAMINATION

Name:	() Date: <u>22 August 2019</u>
Class: Primary 6 () Time: <u>8.00 a.m. – 9.00 a.m.</u>
Parent's Signature:_	
	MATHEMATICS PAPER 1 (BOOKLET A) 20

INSTRUCTIONS TO CANDIDATE

- 1. Write your name, class and register number.
- 2. Do not turn over this page until you are told to do so.
- 3. Follow all instructions carefully.
- 4. Answer all questions.
- 5. Show your working clearly as marks are awarded for correct working.
- 6. You are NOT allowed to use a calculator.

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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 on the Optical Answer Sheet. (20 marks)

- Q1. Round 588 619 to the nearest thousand.
 - (1) 580 000
 - (2) 588 000
 - (3) 589 000
 - (4) 590 000
- Q2. Which of the following is equal to $\frac{11}{4} \div \frac{1}{4}$?
 - (1) $\frac{11}{4} \times \frac{4}{1}$
 - (2) $\frac{11}{4} + \frac{4}{1}$
 - (3) $\frac{4}{11} \times \frac{1}{4}$
 - (4) $\frac{4}{11} \div \frac{1}{4}$
- Q3. Which of the following is the same as 20 kg 30 g?
 - (1) 2 030 g
 - (2) 2 300 g
 - (3) 20 030 g
 - (4) 20 300 g

Q4. Express $10\frac{1}{20}$ as a decimal.

- (1) 10.02
- (2) 10.05
- (3) 10.20
- (4) 10.50

Q5. Which of the following is greater than $\frac{7}{8}$?

- (1) $\frac{2}{3}$
- (2) $\frac{4}{5}$
- (3) $\frac{5}{6}$
- (4) $\frac{8}{9}$

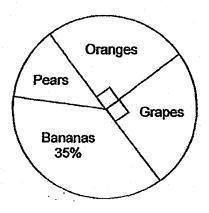
Q6. The diameter of a wheel is 56 cm. What is the circumference of the wheel? (Take $\pi = \frac{22}{7}$)

- (1) 88 cm
- (2) 176 cm
- (3) 352 cm
- (4) 784 cm

•	Q7.	Siti	is facing	g north-e	ast afte	r turning	270° a	nti-clock	wise.		
		Wha	at direct	ion was :	she faci	ng at fin	st?				
		(1)	West				. :				
		(2)	South								
		(3)	South-	eact							•
		(4)	North-								
		(4)	110/0/	WCSt							
										•	
	Q8.	The	re are 3	S studen	ite in a	rlace 1	5 of the	m ara d	rle whil	a tha ra	st are boy
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		(4)	4:7								
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	Q9.			ing 60%		4.0		books,	Peter h	as \$400) left.
		How	much (did he sp	end on	tne boo	KS?				
		(1)	\$160								
		(2)	\$240					-		*	•
		(3)	\$600								
		(4)	\$1 000								
										a 9	
			1								

Q10. The pie chart represents the number of fruits sold by a fruit stall.

If 30 oranges were sold, how many pears were sold?



- (1) 15
- (2) 18
- (3) 30
- (4) 55
- Q11. Siying and Anna were standing in a queue to enter a concert.

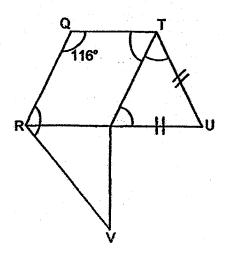
 Siying was exactly in the middle of the queue.

 Anna was the 43rd person after Siying and there are another 20 people after Anna. How many people were there in the queue?
 - (1) 63
 - (2) 65
 - (3) 126
 - (4) 127

Q12. The following figure is made up of three shapes. QRST is a parallelogram.

STU is an isosceles triangle. RSV is a right-angled triangle.

RSU is a straight line. Which one of the following angles cannot be found?



- (1) ∠STU
- (2) ∠STQ
- (3) ∠QRV
- (4) ∠RST

Q13. The first 14 numbers of a number pattern are given below.

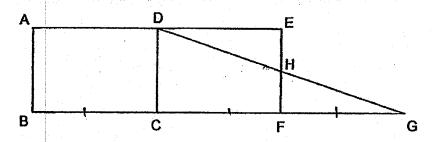
How many number '8' are there in the first 130 numbers?

8	1	0	8	8	1	0	8	8 1	0	8 8	1	
1 si											14th	

- (1) 33
- (2) 52
- (3) 64
- (4) 65

Q14. The figure below shows 2 rectangles of the same size. BC = CF = FG.

The area of Rectangle ABCD is 100 cm². What is the area of triangle FGH?



- (1) 25 cm²
- (2) 50 cm²
- (3) 75 cm²
- (4) 100 cm²

Q15. The average mass of Fruit A and Fruit B is 6 kg.

The mass of Fruit A mass is half the mass of Fruit B.

Find the mass of Fruit B.

- (1) 8 kg
- (2) 2 kg
- (3) 3 kg
- (4) 4 kg

- END OF BOOKLET A -



2019 PRIMARY 6 PRELIMINARY EXAMINATION

D	
Parent's Signature: _	

(BOOKLET B)



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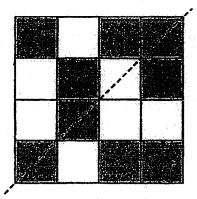
	<u>, oqubo u</u>	ines, give your	answers in th	e unus sa	ated	(5 marks
25% of a	number is	24. What is	$\frac{1}{3}$ of the number	er?		
					2	
			e e e e e e e e e e e e e e e e e e e		Ans:	
				44		
A par in fr	walling a	ta cheed of 7	∩ bm/h			
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6	·					
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Express $\frac{6}{7}$	as a per	centage.				
Express $\frac{6}{7}$	as a per	centage.				
	A car is tra	A car is travelling a	A car is travelling at a speed of 7	25% of a number is 24. What is $\frac{1}{3}$ of the number $\frac{1}{3}$ of the numbe	How long will the car take to travel 35 km?	Ans: A car is travelling at a speed of 70 km/h.

Q19. Arrange the following numbers in descending order.

0.107, 10.07, 1.07, 10.70

Greatest

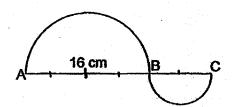
Q20. Shade 2 more squares such that the figure below is symmetrical.



Questions 21 to 30 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. (20 marks) Q21. Find the value of 98 - 24 + 2 + (51 - 47)Ans: Q22. Find the value of $\frac{m}{5} \times m + 3$ when m = 15. Ans: Q23. Tom can paint a room in 2 hours while Ali can paint the same room in 3 hours. If Tom and Ali paint the room together, what fraction of the room can they paint in 1 hour?

Ans: ___

Q24. The figure below shows 2 semicircles. AB is twice of BC. Find the area of the figure. Leave your answer in terms of π .

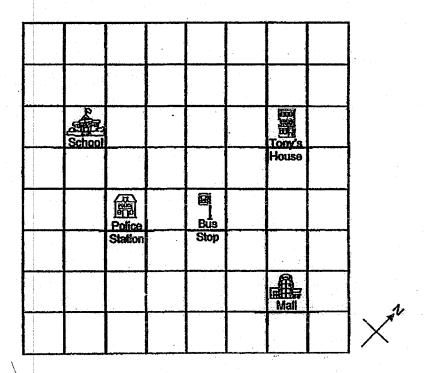


Ans: cm²

Q25. A rectangle has a breadth of (2y + 1) cm long. Its length is y cm longer than its breadth. What is its perimeter in terms of y?

Ans: ____cn

Q26. Four landmarks of Tony's neighbourhood are shown in the square grid below.

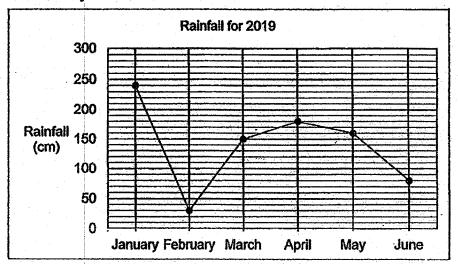


- a) In which direction is Tony's house from the school?
- b) A clinic is to be built directly south of Tony's house and south west of the Mall. Mark on the grid with an 'X' to show where the clinic will be built.

Ans: a) _____

	What percer	tage of his money was left			
		•			
	r r			Ans:	%
Q28.	station every	nall provides a shuttle bus 50 minutes. ttle bus leaves the mall at			
Q28.	station every The first shu services eac	50 minutes. the bus leaves the mail at	11 a.m. and th		
Q28.	station every The first shu services eac	50 minutes. the bus leaves the mail at h day.	11 a.m. and th		
Q28.	station every The first shu services eac	50 minutes. the bus leaves the mail at h day.	11 a.m. and th		
Q28.	station every The first shu services eac	50 minutes. the bus leaves the mail at h day.	11 a.m. and th		
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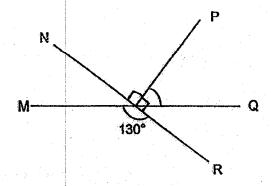
Q29. The graph below shows the amount of rainfall for Singapore in 2019 from January to June.



What was the average monthly rainfall from January to June?

Ans:	-		cm
		-	

Q30. In the figure below, not drawn to scale, MQ and NR are straight lines. ∠POR is a right-angle. Find ∠POQ.



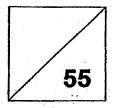
Ans:		•
Alio.	 	



2019 PRIMARY 6 PRELIMINARY EXAMINATION

Name:		·	()	Date: 22 August 2019
Class: Primar	y6()		Time: 10.30 a.m. – 12.00 noon
Parent's Sign	ature: ַ			

MATHEMATICS PAPER 2



INSTRUCTIONS TO CANDIDATE

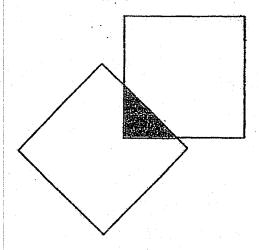
- 1. Write your name, class and register number.
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Questions 1 to 5 carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers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

Q1. How many common factors of 44 and 88 are there?

Ans:

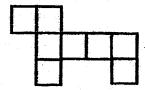
Q2. The figure below shows 2 identical squares. The shaded area is 15% of each square. Find the ratio of the shaded area to the area of the figure.



Ans: ___

Q3. The following drawing shows an incorrect net of a cube.

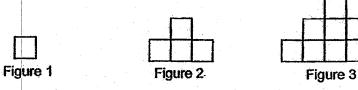
Mark 'X' on the face(s) which is/are incorrect.



Q4. Mrs Tan is 4 times as old as her son. Her son is 8 years old. In how many years' time would her son be $\frac{1}{3}$ of Mrs Tan's age?

Ans: _	 	3	/ears'	time
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Q5. The figures are made up of squares. Study the pattern. How many squares are there in Figure 13?

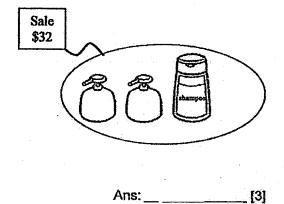


For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [] at the end of each question or part-question.

(45 marks)

Q6. A bottle of body wash costs \$11 and a bottle of shampoo costs \$18.

During a sale, 2 bottles of body wash and a bottle of shampoo are sold at a discounted price of \$32. What is the percentage discount given during the sale?



- Q7. A leaking tap leaks 2 ml of water in 1 second.
 - a) How many litres of water is wasted if the tap leaks for a whole day?
 - b) If the water costs 20 cents per litre, how much would the wasted water cost?

Ans: a) ______[2]

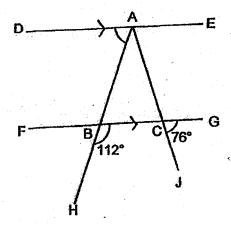
Q8. Mr Chan drove from Town M to Town P at a speed of 65 km/h.

Mr Lim drove 340 km from Town P to Town Q at a speed of 85 km/h.

If both drivers took the same time to drive to their respective destinations, what is the distance between Town M and Town P?

Ans: _____[3]

- Q9. DE and FG are parallel lines. ∠HBC is 112° and ∠GCJ is 76°.
 - a) Find ∠BAC.
 - b) Find ∠DAB.



Ans: a) _____[2]

b) _____[1

Q10.	At a party,	$\frac{1}{3}$ of the people were	men. $\frac{3}{5}$ of the rema	inder were women	and the
	rest were d	children. There are 55	adults. How many	children were at the	party?
				West and the first state of the	
			to a state of the		
			·		
				Ans:	[3]
Q11.		t, there were 402 peo ket costs half as muc	A first control of the control of the control of		
Q11.	A child's tic		h as the cost of an a	adult ticket.	
Q11.	A child's tion An adult tion A total of	ket costs half as muc ket costs \$58.	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as muc ket costs \$58. \$17 690 was collected	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	
Q11.	A child's tion An adult tion A total of state a) Find the	ket costs half as mucket costs \$58. \$17 690 was collected cost of a child's ticket	h as the cost of an a I from all the tickets	adult ticket.	[1]

Q12. Company A and Company B sent their recyclable waste for recycling in the quantities shown in the table below.

	Plastic (kg)	Paper (kg)	Glass (kg)
Company A	90	75	56
Company B	100	50	84

Both companies were paid for their recyclable waste according to the charges as shown in the table below.

Recyclable	Price per kg
Plastic	\$0.30
Paper	\$0.80
Glass	\$1.0 0

- a) Which Company, A or B, received more money for their recycling efforts? How much more?
- b) Study the above information carefully.

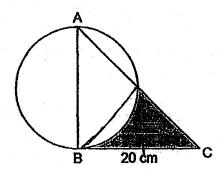
Each of the statements below is either True, False or Not Possible to Tell from the information given.

For each statement, put a tick (<) to indicate your answer.

		True	False	Not Possible to Tell
(1)	Company A collected more money from recycling plastic waste than glass waste.			
(ii)	Company A collected 50% more paper waste than Company B.			•

Ans	: a) C	ompan	у	[[1]
	b)		ur answei	. NA	

Q13. The figure shows a circle and a right-angled isosceles triangle. AB = BC = 20 cm. Find the shaded area. (Take π = 3.14)



Ans: _____[4]

Q14.	The average mass of Ahmad	, Brian, Caili and D	Devi is 38 kg.	_
	The average mass of Ahmad	, Brian and Caill is	37 kg while the	otal mass of
	Caill and Devi is 77 kg.			
	a) Find Caill's mass			

b) Brian and Devi have the same mass. Find Ahmad's mass.

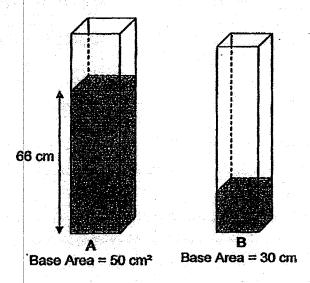
Q15.	A bakery baked buns and cakes in the morning in the ratio 4:1.
	After selling 50 buns and 10 cakes in the afternoon, the ratio of the number of
	buns to the number of cakes left became 3 : 1.

- a) Find the number of buns that the bakery baked in the morning.
- b) Find the number of cakes left.

Ans: a)) ·		រេះ
	-		
A transfer of the		1.5	
b)) <u></u>		

Q16. A and B are two rectangular containers. At first, the water level in Container A and B is as shown. The amount of water in Container A is 5 times that of the water in Container B. Then Keith poured some water from Container A into Container B until the water level in both containers are of the same height.

- a) Find the volume of water in Container B.
- b) Find the increase in water level of Container B.



Ans: a)_____[1]

b) [4

Q17. Doughnuts and cupcakes were sold in packs by ABC Bakery. Mrs Kumar, Mrs Fauziah and Mrs Leong bought doughnuts and cupcakes at the prices

shown below.

Doughnuts

4 packs for \$12

Cupcakes



6 packs for \$15

- a) Mrs Kumar wanted to spend an equal amount of money on doughnuts and cupcakes. Find the minimum number of packs of cupcakes she bought.
- b) Mrs Leong bought some packs of doughnuts and Mrs Fauziah spent \$84 on doughnuts. Mrs Fauziah then gave Mrs Leong 20 doughnuts. In the end, Mrs Fauziah had 88 more doughnuts than Mrs Leong. How many packs of doughnuts did Mrs Leong buy?

Ans: a)

SCHOOL:

TAO NAN PRIMARY SCHOOL

LEVEL :

PRIMARY 6

SUBJECT:

MATH

TERM

2019 PRELIM

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	1	3	2	4	2	4	3	3	2

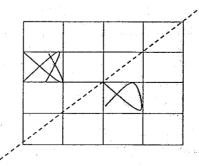
Q 11	Q12	Q13	Q14	Q15
4	3	4	1	1

PAPER 1 BOOKLET B

1		
Q16)	$24 \div 25 \times 100 = 96$	
	$\frac{1}{3}$ of 96 = 96 ÷ 3 = 32	
Q17)	35km ÷70km/h = 0.5h	
	= 30 min	
Q18)	85 ⁵ ₇ %	

Q19) 10.7, 10.07, 1.07, 0.107

Q20)



Q21) 98 - 24 ÷2 + (51 - 47) = 98 - 12 + 4 = 90

		1		4.											
Q22)	$\frac{15}{5}$ x 15	+ 3 =	= 15 x	3 + 3	3 = 48					-					
		-													
Q23)	Tom							Ali							
			1/	400					_ \1_						
	In 1 ho	ur	72 OT	room			ın ı	nou	$r \rightarrow \frac{1}{3}c$	то	om				
	$\frac{1}{2} + \frac{1}{3} =$	$\frac{3}{4}$	$\frac{2}{1} = \frac{5}{1}$												
	2 3	6	6 6												
Q24)	16cm -	. 2 = 5	Rem			<u> </u>				* .	<u> </u>			<u> </u>	
QL-1	8cm ÷						. <u>-</u> .	٠							
	Area =			k 8cm	1 + π x	4cm	x 4c	m)÷	2						
	$= (64\pi$,							
	= 80π c														
Q25)	Perime	ter (i	n cm) = (2)	/ +1) x	4 + 2	2 x y					•			
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Q26)	a)														
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Q27)	40% of	70 -	70	· 2 —	28	 						·····			
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666	100% -		0 – 30	J% =	42%	- 10 10 10 1				en e	 	<u></u>	FOR THE STATE OF		
Q28)	8.10p.r	n													
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Q29)	(240cm				an + 13	oucm	+ 16	ucm	+ 8U	cm)	.∵ o				
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• .

Pa?

Q30) <	NOQ = 130°	en e	
	$POQ = 130^{\circ} - 90^{\circ} = 40^{\circ}$		

PAPER 2

04)	6
Q1)	
Q2)	100% - 15% = 85%
	Shaded area: Area of figure
	15 : 85+15+85
	15 : 185
	3 : 37
Q3)	
	X
	#**************************************
Q4)	8 x 3 = 24
٠.,	$24 \div 2 = 12$
	12 - 8 = 4
Q5)	No. of squares = 13 x 13 = 169
QU,	110. of oqual 05 – 10 x 10 – 100
Q6)	Usual price = \$11 x 2 + \$18 = \$40
	40-32
	Percentage discount = $\frac{40-32}{40}$ x 100% = 20%
Q7)	a)86400 x 2ml = 172800ml = 172.8 l
	b)0.20 x 172.8 = \$34.56
00)	Time Add and the second
Q8)	Time taken = 340km ÷ 85km/h = 4h
	Distance between M and P = 65km/h x 4h = 260km
Q9)	a) <acb 76°<="" =="" th=""></acb>
•	<BAC = 112° -76 ° = 36°
	<bac 36°<="" is="" th=""></bac>
1	
	b) <eac 76°<="" =="" th=""></eac>
	$ < DAB = 180^{\circ} - 36^{\circ} - 76^{\circ} = 68^{\circ}$
	<dab 68°<="" is="" th=""></dab>
	[과일캠프리아스폴리는 그룹] 그리고 마니스라 스토트로 보는 그 그 때문에
Q10)	4 units = 55 ÷ 11 × 4 = 20
WIU)	今 umis - 33 - 14 水 サー ZU

Q11)	a)cost of a child's ticket = \$58 ÷ 2 = \$29
	b)402 x \$58 = \$23316
	Extra = \$23316 - \$17690 = \$5626
	Diff = \$58 - \$29 = \$29
	No.of children = \$5626 ÷ \$29 = 194
Q12)	a)Company : B
	company A company B
	\$0.30x90+\$0.80x75+\$1x56 \$0.30x100+\$0.80x50+\$1x84
	= \$143 = \$154
,	Difference = \$154 - \$143 = \$11
	b)i)False
-	ii)True
]	
Q13)	20cm ÷ 2 = 10cm
	Area of triangle = ½ x 20cm x 10cm = 100cm ²
	Area of semicircle = ½ x 3.14 x 10cm x 10cm = 157cm ²
,	157cm² - 100cm² ÷ 2 = 28.5cm²
	Area of shaded = 100cm² - 28.5cm² = 71.5cm²
	Area of Shaded - 100cm - 20.5cm - 71.5cm
,	
044	-)T.4.1
Q14)	[
Q14)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg
Q14)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg – 111kg = 41kg
Q14)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg
Q14)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg – 111kg = 41kg
Q14)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg – 111kg = 41kg Caili mass = 77kg – 41kg = 36kg
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg – 111kg = 41kg Caili mass = 77kg – 41kg = 36kg
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40
Q14) Q15)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10 2 units = (1p+10) x 2 = 2p + 20
	total mass of Ahmad, Brian, Caili = $37kg \times 3 = 111kg$ Devi's mass = $152kg - 111kg = 41kg$ Caili mass = $77kg - 41kg = 36kg$ b)Ahmad's mass = $152kg - 36kg - 41kg - 41kg = 34kg$ 50 - 40 = 10 4 - 1 = 3 3 units = p + p + $40 = 2p + 40$ 1 unit = $1p + 10$ 2 units = $(1p+10) \times 2 = 2p + 20$ 1 unit = $2p + 40 - 2p + 20 = 20$
	total mass of Ahmad, Brian, Caili = $37kg \times 3 = 111kg$ Devi's mass = $152kg - 111kg = 41kg$ Caili mass = $77kg - 41kg = 36kg$ b)Ahmad's mass = $152kg - 36kg - 41kg - 41kg = 34kg$ 50 - 40 = 10 $4 - 1 = 3$ 3 units = p + p + $40 = 2p + 401 unit = 1p + 102 units = (1p+10) \times 2 = 2p + 201 unit = 2p + 40 - 2p + 20 = 20P = 20 - 10 = 10No. of buns baked in the moring= 50 + 10 \times 3 = 80$
	total mass of Ahmad, Brian, Caili = $37kg \times 3 = 111kg$ Devi's mass = $152kg - 111kg = 41kg$ Caili mass = $77kg - 41kg = 36kg$ b)Ahmad's mass = $152kg - 36kg - 41kg - 41kg = 34kg$ 50 - 40 = 10 4 - 1 = 3 3 units = $p + p + 40 = 2p + 401$ unit = $1p + 102 units = (1p+10) \times 2 = 2p + 201$ unit = $2p + 40 - 2p + 20 = 20P = 20 - 10 = 10No. of buns baked in the moring$
	total mass of Ahmad, Brian, Caili = $37kg \times 3 = 111kg$ Devi's mass = $152kg - 111kg = 41kg$ Caili mass = $77kg - 41kg = 36kg$ b)Ahmad's mass = $152kg - 36kg - 41kg - 41kg = 34kg$ 50 - 40 = 10 4 - 1 = 3 3 units = $p + p + 40 = 2p + 401 unit = 1p + 102 units = (1p+10) \times 2 = 2p + 201 unit = 2p + 40 - 2p + 20 = 20p = 20 - 10 = 10No.of buns baked in the moring= 50 + 10 \times 3 = 80No.of cakes left = p = 10a)The bakery baked 80 buns.$
	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10 2 units = (1p+10) x 2 = 2p + 20 1 unit = 2p + 40 - 2p + 20 = 20 P = 20 - 10 = 10 No.of buns baked in the moring = 50 + 10 x 3 = 80 No.of cakes left = p = 10
Q15)	total mass of Ahmad, Brian, Caili = $37kg \times 3 = 111kg$ Devi's mass = $152kg - 111kg = 41kg$ Caili mass = $77kg - 41kg = 36kg$ b)Ahmad's mass = $152kg - 36kg - 41kg - 41kg = 34kg$ $50 - 40 = 10$ $4 - 1 = 3$ $3 \text{ units} = p + p + 40 = 2p + 40$ $1 \text{ unit} = 1p + 10$ $2 \text{ units} = (1p+10) \times 2 = 2p + 20$ $1 \text{ unit} = 2p + 40 - 2p + 20 = 20$ $P = 20 - 10 = 10$ No.of buns baked in the moring $= 50 + 10 \times 3 = 80$ No.of cakes left = p = 10 a)The bakery baked 80 buns. b)10 cakes were left
Q15)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10 2 units = (1p+10) x 2 = 2p + 20 1 unit = 2p + 40 - 2p + 20 = 20 P = 20 - 10 = 10 No.of buns baked in the moring = 50 + 10 x 3 = 80 N0.of cakes left = p = 10 a)The bakery baked 80 buns. b)10 cakes were left a)volume of water in B at the end
Q15)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10 2 units = (1p+10) x 2 = 2p + 20 1 unit = 2p + 40 - 2p + 20 = 20 P = 20 - 10 = 10 No.of buns baked in the moring = 50 + 10 x 3 = 80 N0.of cakes left = p = 10 a)The bakery baked 80 buns. b)10 cakes were left a)volume of water in B at the end
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	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10 2 units = (1p+10) x 2 = 2p + 20 1 unit = 2p + 40 - 2p + 20 = 20 P = 20 - 10 = 10 No.of buns baked in the moring = 50 + 10 x 3 = 80 N0.of cakes left = p = 10 a)The bakery baked 80 buns. b)10 cakes were left a)volume of water in B at the end
Q15)	total mass of Ahmad, Brian, Caili = 37kg x 3 = 111kg Devi's mass = 152kg - 111kg = 41kg Caili mass = 77kg - 41kg = 36kg b)Ahmad's mass = 152kg - 36kg - 41kg - 41kg = 34kg 50 - 40 = 10 4 - 1 = 3 3 units = p + p + 40 = 2p + 40 1 unit = 1p + 10 2 units = (1p+10) x 2 = 2p + 20 1 unit = 2p + 40 - 2p + 20 = 20 P = 20 - 10 = 10 No.of buns baked in the moring = 50 + 10 x 3 = 80 N0.of cakes left = p = 10 a)The bakery baked 80 buns. b)10 cakes were left a)volume of water in B at the end

Q17) a)LCM of (12,15) =
$$2 \times 2 \times 3 \times 5 = 60$$

No.of packs of cupcakes = $\frac{$60}{$15}$ x 6 = 24

b)No. of packs Mrs Fauziah bought =
$$\frac{$84}{$12}$$
x $4 = 28$

No. of doughunts = $28 \times 8 = 224$

224 - 20 = 204

204 - 88 = 116 116 - 20 = 96

No.of packs Mrs Leong bought = $\frac{96}{8}$ = 12

