

# Temasek Primary School Preliminary Examination Primary Six Standard 2018 MATHEMATICS (PAPER 1 BOOKLET A)

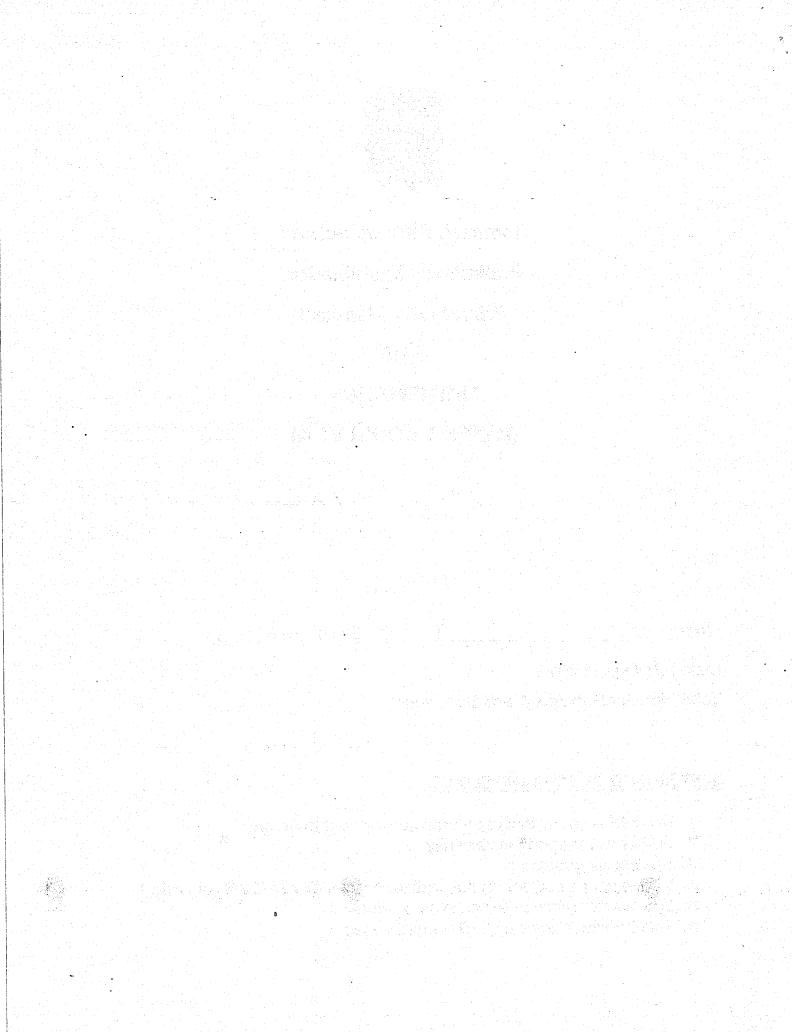
Name:	(	•	)	Class:	6 (	,)
	•					

Date: 21 August 2018

Total Time for Booklets A and B: 1 hour

## **INSTRUCTIONS TO CANDIDATES**

- 1. Do not turn over this page until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Answer all questions.
- 4. Shade your answers on the Optical Answer Sheet (OAS) provided.
- 5. You are not allowed to use a calculator.
- 6. This booklet consists of 10 printed pages.



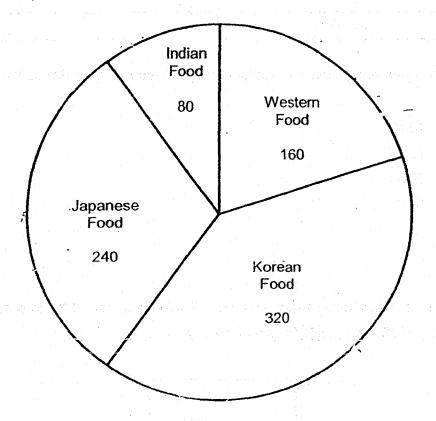
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet. (20 marks)

1	The value of the	digit 5 in 865 973 is	

- (1) 50
- (2) 500
- (3) 5 000
- (4) 50 000
- 2. Express 8 050 cm in m.
  - (1) 8.05 m
  - (2) 8.5 m
  - (3) 80.5 m
  - (4) 805 m

- 3. How many quarters are there in  $8\frac{1}{2}$ ?
  - (1) 17
  - (2) 20
  - (3) 32
  - (4) 34
- 4. Find the value of  $11y 5 + \frac{7y}{4}$  when y = 8.
  - (1) 220
  - (2) 180
  - (3) 97
  - (4) 64
- 5. A rectangular block of wood measuring 50 cm by 5 cm by 5 cm was cut into five equal pieces. What was the volume of each piece of wood?
  - (1) 210 cm<sup>3</sup>
  - (2) 250 cm<sup>3</sup>
  - (3) 1 050 cm<sup>3</sup>
  - (4) 1 250 cm<sup>3</sup>

6. A group of 800 students was asked to choose their favourite food. The pie chart below shows their choices and the number of students who chose each type of food. Which type of food was chosen by 40% of the students?



- (1) Indian Food
- (2) Korean Food
- (3) Western Food
- (4) Japanese Food

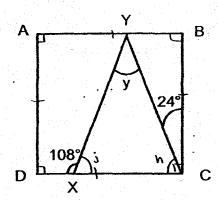
7. The table below shows the scores obtained by Choon Tuck in an online game.

Online Game	Score
Game 1	10
Game 2	25

Find the percentage increase in Choon Tuck's scores from Game 1 to Game 2.

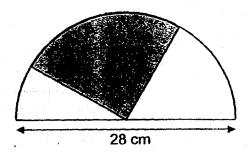
- (1) 150%
- (2) 100%
- (3) 60%
- (4) 40%

The figure below is not drawn to scale. ABCD is a square. CXY is a triangle.
 ∠DXY = 108° and ∠BCY = 24°. Find ∠y.



- (1) 42°
- (2) 48°
- (3) 66°
- (4) 72°

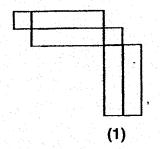
9. The figure below is not drawn to scale. It shows a shaded quadrant in a semicircle. The diameter of the semicircle is 28 cm. Find the total area of the unshaded parts. (Take  $\pi = \frac{22}{7}$ )

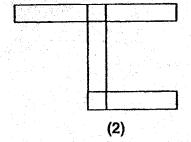


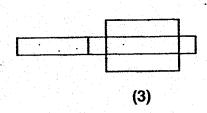
- (1) 144 cm<sup>2</sup>
- (2) 154 cm<sup>2</sup>
- (3) 308 cm<sup>2</sup>
- (4) 616 cm<sup>2</sup>

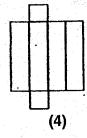
# 10. Which of the following figure is <u>not</u> a net of the solid below?



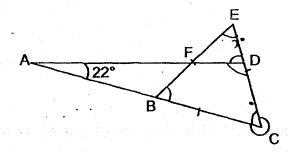






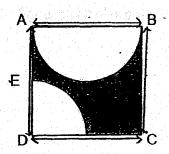


- 11. A group of Brownies calculated their average collection from a fundraising. They discovered that if one of them collected \$200 more, their average collection would be \$240. If one of them collected \$340 less, their average collection would be \$180. How many Brownies were there in the group?
  - (1) 9
  - (2) 8
  - (3) 5
  - (4) 4
- 12. The figure below is not drawn to scale. BCE is an equilateral triangle. ABC and AFD are straight lines. If ∠BAF = 22°, what is the difference between the marked angles, ∠EDF and ∠BCD?



- (1) 338°
- (2) 300°
- (3) 278°
- (4) 218°

13. The figure below is not drawn to scale. ABCD is a square of area 100 m<sup>2</sup>. A semicircle and a quadrant lie within Square ABCD. AE = ED. Find the area of the shaded part. (Leave your answer in terms of  $\pi$ .)



(1) 
$$(100-6\frac{1}{4}\pi)$$
 m<sup>2</sup>

(2) 
$$(100-7\frac{1}{2}\pi)$$
 m<sup>2</sup>

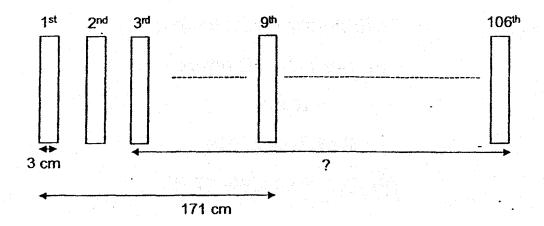
(3) 
$$(100-12\frac{1}{2}\pi)$$
 m<sup>2</sup>

(4) 
$$(100-18\frac{3}{4}\pi) \text{ m}^2$$

14. There were 800 adults at a carnival. 80% of them were women. Halfway through, some women left the carnival. The ratio of the number of women to the number of men became 7: 4. How many women left the carnival?

- (1) 280 .
- (2) 360
- (3) 480
- (4) 640

15. Nine identical rectangular cards are placed in a straight line at an equal distance from one another as shown below. The total distance taken from the 1<sup>st</sup> card to the 9<sup>th</sup> card is 171 cm. The width of each rectangular card is 3 cm.



What is the total distance taken from the 3<sup>rd</sup> card to the 106<sup>th</sup> card?

- (1) 2166 cm
- (2) 2160 cm
- (3) 1989 cm
- (4) 1957 cm

End of Booklet A

(Go on to Booklet B)



# Temasek Primary School Preliminary Examination Primary Six Standard 2018 MATHEMATICS (PAPER 1 BOOKLET B)

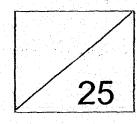
Name:			) Class: 6 (	1
Name.	<del></del>	· · · · · · · · · · · · · · · · · · ·	) O1033. O (	, ,

Date: 21 August 2018

Total Time for Booklets A and B: 1 hour

## **INSTRUCTIONS TO CANDIDATES**

- 1. Do not turn over this page until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Answer all questions.
- 4. Write your answers in this booklet.
- 5. You are not allowed to use a calculator.
- 6. This booklet consists of 9 printed pages.

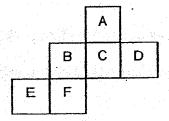


Ques For q	tions 16 to 20 carry 1 mark each. Write uestions which require units, give your	your answers in the s answers in the units st	paces provided. ated. (5 marks)
16.	Find the value of $66 - (36 + 3) \div 3$ .	-	
		Ans:	
		7 th3.	
		<del></del>	
17.	Find the value of 22.62 ÷ 30.		
		Ans:	
18.	The mass of flour in a bag was 5 kg. It		
	What was the most number of packets	s of flour that were rep	acked?
		Ans:	

19	Alice, Bernice and Clarissa sold 320 donation cards in the ratio of 4:3:1. Ho	W
	안 그는 한 과학에 이 작전을 하루막하는데, 이에 가는데 상인 등을까지 않는데, 나는 살했는 곳에 하는 아버리가 되어 살아가고 하는데 하게 되었다.	1.
	many donation cards did Alice sell?	

Ans: \_\_\_\_\_

20. The figure below shows the net of a cube. The net is folded to make a cube. Which letter is opposite letter "F"?



Ans:			- 2	 	
			100	· ·	

Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

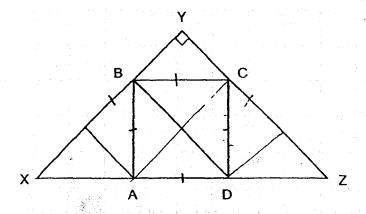
21. A group of children donated \$200 altogether. The table below shows the amount of money donated by each child in the group.

Amount of money donated per child	\$1	\$2	\$3	\$4
Number of children	35	24	15	?

How many children donated \$4?

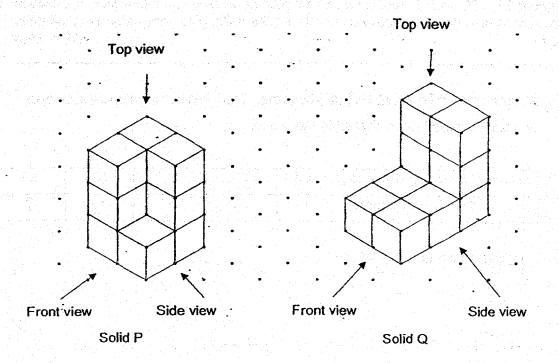
Ans:	
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22. The figure below is not drawn to scale. ABCD is a square. XYZ is a right-angled isosceles triangle of area 108 cm<sup>2</sup>. Find the area of Square ABCD.



Ans:		cm
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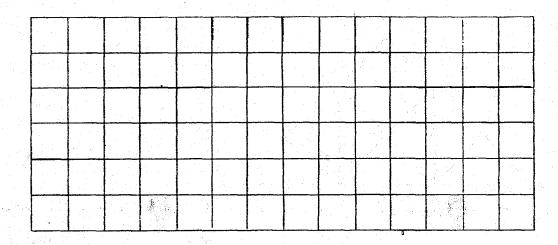
## 23. Study the solids below carefully.



(a) Name the view of Solid P and Solid Q that is the same. (1 mark)

Ans:	(a)				
	· · · ·			 	

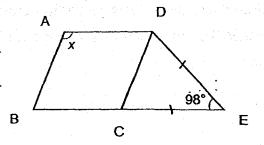
(b) Draw the view of Solid P and Solid Q that is the same below. (1 mark)



24.	At a bookshop, 3 identical pens	cost as much as 2	identical notebooks	s. Each pen
APP 3	costs \$0.80 less than each note	book. What is the c	ost of a notebook?	

Ans:	\$	
	_	 

25. The figure below is not drawn to scale. ABCD is a rhombus. CDE is an isosceles triangle. BCE is a straight line. CE = DE and  $\angle$  CED = 98°. Find  $\angle$  x.



Ans:		 

26. Joyce was given a fixed amount of pocket money each month. In January,					
	spent \$100 and saved the rest. In February, she spent 10% less and her savings				
	increased by 25%. How much was Joyce's pocket money for each month?				

Ans:

27. Bedok and Kuala Lumpur are about 360 km apart. At 9.00 a.m., Mr Chong travelled from Bedok to Kuala Lumpur while Mr Ma travelled from Kuala Lumpur to Bedok. Mr Chong's speed was 80 km/h while Mr Ma's speed was 70 km/h. Both of them did not change their speeds throughout their journeys. At what time did they pass each other?

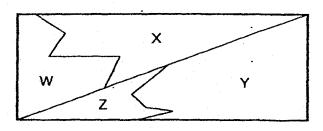
Ans: \_\_\_\_\_a.m.

28. Ming Ming gave \$60 to his sister and  $\frac{1}{5}$  of the remainder to his brother.

In the end, Ming Ming was left with  $\frac{2}{3}$  of his money. How much money did Ming Ming have at first?

Ans:

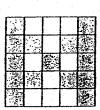
29. The rectangle below is divided into four parts W, X, Y and Z. The ratio of Area W to Area X is 3 : 5. The ratio of Area Y to Area Z is 1 : 2. What fraction of the total area is Area W? Give your answer in its simplest form.



Ans:

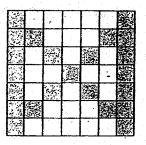
30. Azlinda formed the pattern below using white and grey tiles. Study the pattern carefully.

y sambaran juniya ah yuki mura iliyar eseriyini tulif misha ediyini mura ili mahala mahala kara bir mura bir m



Pattern 1

Pattern



How many white tiles would Azlinda use to build Pattern 7?

Ans:



# Temasek Primary School **Preliminary Examination Primary Six Standard** 2018

# **MATHEMATICS** (PAPER 2)

Name:	(	, )	Class:	6 (	,

Date: 21 August 2018

Total Time: 1 hour 30 minutes

# **INSTRUCTIONS TO CANDIDATES**

- 1. Do not turn over this page until you are told to do so.
- 2. Follow all instructions carefully.
- 3. Answer all questions.

Parent's Signature/Date:

- 4. Write your answers in this booklet.
- 5. You are allowed to use a calculator.
- 6. This booklet consists of 15 printed pages

Paper	Max Mark	Score
Paper 1 Booklet A	20	
Paper 1 Booklet B	25	
Paper 2	55	
Total Mark	100	

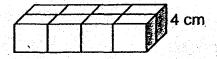
L	Paper 1 Booklet B	25	
. 9	Paper 2	55	
	Total Mark	100	

Questions 1 to	o 5 carry 2 m	arks each.	Show your wo	rking clearly	y and write y	our answers
in the spaces	provided. Fo	r questions	which require	units, give	your answer	s in the units
stated.						(10 marks)

1.	Lyndi had 15 m of cloth. She cut 2y cm from it to give to Bob. She gave Lucas
*	30 cm of the cloth. She used all the remaining cloth to sew 7 similar dresses.
	If Lyndi used equal length of cloth for each dress, what is the length of cloth used
	for each dress? Give your answer in terms of y.

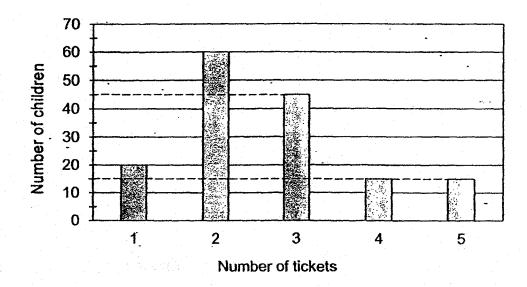
"最后,我们们就是我们的,我们们们的一个人,我们们的一个人,我们们的一个人,我们就是我们的人		
	The Marian Control	
- 🏝 チェー・・ ボール ガーカー うけがし ムールフェンス かんり しょうしゅう きょう シェー		
Answe.	~~~	٦
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the contract of the contract o		

2. Dae made the cuboid shown below using cubes of sides 4 cm. What is the volume of the cuboid?



_		1.0	
Answer:			cm
,	 		 
		100	

3. The bar graph below shows the number of tickets sold for a concert to a group of children.



How many children purchased more than 2 tickets?

Answer:

sweets, the last	shared some sweets girl had 16 sweets. V . How many sweets v	When each girl too	k 8 sweets, there	The Street and the Control

5. Jamie takes 6 days to paint a house. Her sister takes 10 days to paint the same house. If they work together, what fraction of the house will they be able to paint in 3 days? Give your answer in its simplest form.

Answer:

For questions 6 to 17, show your working clearly and write your	answers in spaces
provided. The number of marks available is shown in brackets [	] at the end of each
question or part-question.	(45 marks)

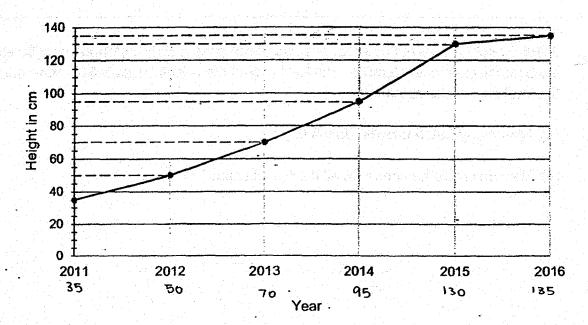
- 6. Joash bought a total of 30 notebooks and pencil cases. Each notebook cost \$9 and each pencil case cost \$3 more. The total cost of the pencil cases is \$87 more than the total cost of the notebooks.
  - (a) How many notebooks did Joash buy?
  - (b) How much did he spend on all the pencil cases?

Ans	swer: (a)			[2]
			;	
	(b)	 	 	 [1]

7. Ken travelled from his house to the park. He ran  $\frac{1}{3}$  of the journey in 3 minutes and jogged  $\frac{3}{5}$  of the remaining journey. He walked the rest of the journey in 2.5 minutes at an average speed of 80m/min. What was Ken's running speed?

 [3

8. The line graph below shows the height of a mango tree measured in January of each year from 2011 to 2016.



- (a) In which year was the height the mango tree twice its height in 2011?
- (b) What was the average height of the mango tree from 2012 to 2015?

Answer: (a) \_\_\_\_\_[1] (b) [2]

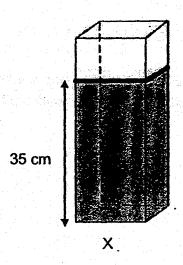
9. The table below shows the number of buns sold at a bakery last week.

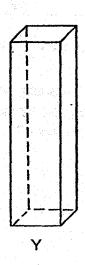
Day	Number of buns sold				
Monday to Friday	2y per day				
Saturday	y + 50				
Sunday	3y - 15				

- (a) If y = 28, what was the total number of buns sold last week?
- (b) The buns were usually sold for \$1.50 each. However, there was a 40% discount on all the buns sold last week. How much did the bakery collect from the sales of all the buns last week?

Answer: (a)		 _
(b)	 	 [1]

10. X and Y are two rectangular containers. The base area of X is 90 cm<sup>2</sup> while that of Y is 60 cm<sup>2</sup>. At first, X contained water to a height of 35 cm and Y was empty, as shown below. Richard then poured some water from X to Y. After that, the height of the water level in X was 4 times that in Y. What was the new height of the water level in X?





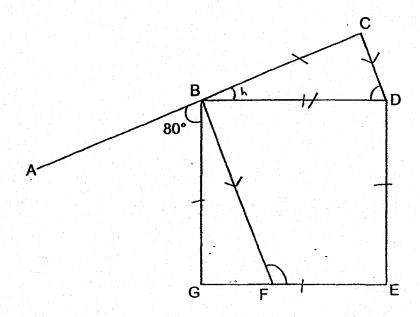
Answer: [3]

11. Roy had to paint a piece of paper. He painted  $\frac{1}{5}$  of the paper yellow and 85 cm<sup>2</sup> of the paper red. He then painted  $\frac{1}{3}$  of the remainder green and the rest blue. If the area of the blue region is  $\frac{1}{4}$  of the area of the whole piece of paper, find the area of the paper.

Answer: \_\_\_\_\_ [3]

12. In the figure below, not drawn to scale, BDEG is a square and BCD is an isosceles triangle. ABC is a straight line. BF // CD and ∠ABG = 80°

- (a) Find ∠BDC.
- (b) Find ∠BFE.



64			
A	The second second		F 4 3
Answer: (a)			[1]
Allowel, lai			
		 	1 1

13. The table below shows the charges of a taxi company.

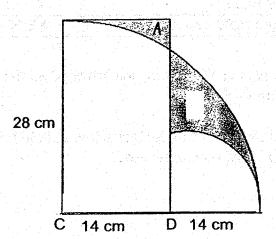
Flag Down	\$2.50
Every 200m up to 10km	\$0.10
Every 150m after 10km	\$0.10
Morning Surcharge (7.00 a.m. to 9.30 a.m.)	\$2.00

- (a) Rachel took a taxi to work at 11.00 a.m. and travelled a total distance of 16km. How much was her taxi fare?
- (b) Ryan paid \$18 for his taxi fare when he took a taxi at 8.30 a.m. What was the maximum distance he could have travelled?

G	Answer: (a)	[2]
	(b)	[2]

14. The figure shows two quadrants of circles, centred at C and D respectively. Find the difference between the area of the two shaded regions.

(Take  $\pi = \frac{22}{7}$ )



15.	Marcus wants to make 35 large identical stars and 20 small identical stars using
	wire. He has made 20 large stars and 14 small ones using 12.48 m of wire. The
	length of wire he used for 5 small stars is the same as that for 4 large stars.

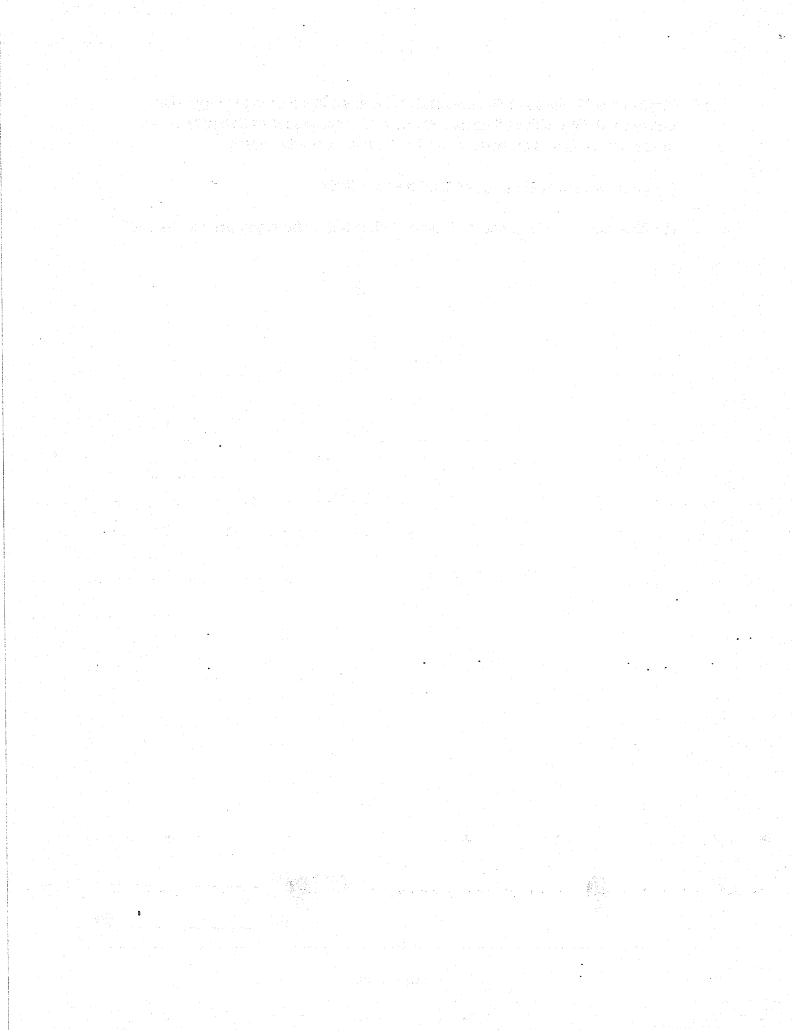
- (a) How many small stars can be made with the same length of wire used to make 20 large stars?
- (b) What is the length of wire he needs to make the remaining stars?

Answer: (a)	[1]
(b)	[41

16.	There are a total of 300 people at a party. The ratio of the number of men to the number of adults is 3:5. The ratio of the number of boys to the number of child is 1:2. The total number of males is 166.	
	(a) How many adults are there at the party?	
	(b) How many girls are there at the party?	
	Answer: (a)	_[3]

17.	Lukas use	d 75% of the \$5 r	notes and put in 1	otes altogether in the pig 12 more pieces of \$10 no number of \$10 notes.	
	(a) What w	vas the total value	of the \$5 notes	at first?	
	(b) What w	vas the total amou	unt of money Luk	as had in the piggy bank	in the end?
	· .				
•.					
4.0			e e e e e e e e e e e e e e e e e e e		
				Answer: (a)	[3]

(b).\_



# **ANSWER KEY**

YEAR

2018

**LEVEL** 

PRIMARY 6

SCHOOL:

TEMASEK PRIMARY

SUBJECT:

**MATHEMATICS** 

TERM

PRELIMINARY EXAMINATION

### Paper 1

Q1	3	Q4	3	<b>Q</b> 7	1	Q10	2	Q13	4
Q2	3	Q5	2	Q8	1	Q11	1	Q14	2
Q3	4	Q6	2	Q9	2	Q12	4	Q15	1

Q16 53

Q17 0.754

Q18 12

Q19 160

Q20 A

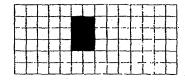
Q21 18

Q22 48 cm<sup>2</sup>

Q23 (a)

Front view

**(b)** 



Q24 \$2.40

Q25 139°

Q26 \$140

Q27 11:24 am

Q29 
$$\frac{3}{16}$$

### Paper 2

Q1 7 dress 
$$\rightarrow$$
 15m - 2y cm = 30 cm  
 $\rightarrow$  (1500 - 2y - 30) cm  
 $\rightarrow$  (1470 - 2y) cm  
Length of cloth per dress  $\Rightarrow$   $\left(\frac{1470 - 2y}{7}\right)$  cm

Q2 Vol. of 1 cube 
$$\rightarrow$$
 (4 x 4 x 4) cm<sup>3</sup> = 64 cm<sup>3</sup>  
Vol. of 1 cuboid  $\rightarrow$  64 cm<sup>3</sup> x 8  $\Rightarrow$  512 cm<sup>3</sup>

Q3 No. of children 
$$\rightarrow 45 + 15 + 15 \Rightarrow \underline{75}$$

Q4 Let x be the number of girls
$$11x + 5 = 8x + 32$$

$$3x = 27$$

$$X = 27 \div 3 = 9 \text{ girls}$$
No. of sweets  $\rightarrow 9 \times 8 + 32 \Rightarrow 104 \text{ sweets}$ 

Q5 Jamie 
$$\rightarrow$$
 1 day  $\rightarrow \frac{1}{6}$  house  
Sister  $\rightarrow$  1 day  $\rightarrow \frac{1}{10}$  house  
Together  $\rightarrow$  1 day  $\rightarrow \frac{1}{6} + \frac{1}{10} = \frac{4}{15}$  house  
Fraction of house painted in 3 days  $\rightarrow \frac{4}{15}$  x 3  $\Rightarrow \frac{4}{15}$ 

Q7 
$$\frac{3}{5} \times \frac{2}{3} = \frac{2}{5}$$

$$\frac{4}{15}$$
 journey = 200 m

$$\frac{5}{15}$$
 journey = 200 m x  $\frac{5}{4}$  = 250 m

Speed of running =  $(250 \div 3)$  m/min  $\Rightarrow 83\frac{1}{3}$  m/min

Q8 (a) Height of mango tree in 2011 
$$\rightarrow$$
 35 cm  
2 times the height  $\rightarrow$  2 x 35 cm = 70 cm  
 $\Rightarrow$  In year 2013

- (b) Total height  $\rightarrow$  (50 + 70 + 95 + 130) cm = 345 cm Avg. height  $\rightarrow$  345 cm  $\div$  4  $\Rightarrow$  86.25 cm
- Q9 (a) No. of buns sold in terms of  $y \rightarrow 2y \times 5 + y + 50 + 3y 15 = 14y + 35$ No. of buns sold  $\rightarrow 28 \times 14 + 35 \Rightarrow 427$  buns sold

(b) Amt of money 1 bun cost 
$$\rightarrow$$
 \$1.50 x  $\frac{60}{100}$  = \$0.90

Amt of money bakery collected  $\rightarrow$  \$0.90 x 427  $\Rightarrow$  \$384.30

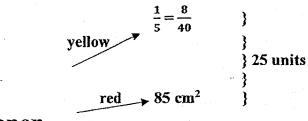
Q10 Water 
$$\rightarrow$$
 (35 x 90) cm<sup>3</sup> = 3150 cm<sup>3</sup>

Units of water in  $X \rightarrow 90 \text{ cm}^2 \times 4 \text{ units} = 360 \text{ units}$ 

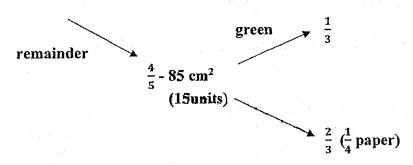
Units of water in Y  $\rightarrow$  60 cm<sup>2</sup> x 1 unit = 60 units (360 + 60) units = 3150 cm<sup>3</sup> 420 units = 3150 cm<sup>3</sup>

4 units = 30 cm

The new height in X is 30 cm



# **Paper**



$$\frac{2}{3}$$
 remainder =  $\frac{1}{4}$  paper

$$\frac{2}{3}$$
 remainder =  $\frac{2}{8}$  paper

Remainder = 3 units 
$$\rightarrow$$
 15 units  
8 units  $\rightarrow$  40 units  
25 units - 8 units = 17 units  $\rightarrow$  85 cm<sup>2</sup>  
1 unit  $\rightarrow$  85 cm<sup>2</sup> ÷ 17 = 5 cm<sup>2</sup>  
Area of paper = 5 cm<sup>2</sup> × 40  $\Rightarrow$  200 cm<sup>2</sup>

Area of paper =  $5 \text{ cm}^2 \times 40 \Rightarrow 200 \text{ cm}^2$ 

Q12 (a) 
$$\angle h \rightarrow 180^{\circ} - 90^{\circ} - 80^{\circ} = 10^{\circ}$$
  
 $\angle BDC \rightarrow (180^{\circ} - 10^{\circ}) \div 2 \Rightarrow 85^{\circ}$ 

(b) 
$$\angle BDC = \angle FBD$$
 (afternate angles in parallel lines)  
 $\angle FBD = 85^{\circ}$   
 $\angle BFE = 180^{\circ} - 85^{\circ} \Rightarrow \underline{95^{\circ}}$ 

Q13 (a) Total paid = 
$$\$(2.50 + 5 + 4) \Rightarrow \$11.50$$

(b) Fare for travelling 
$$\rightarrow$$
 \$18 - \$2.00 - \$2.50 = \$13.50  
Amt after first 10km  $\rightarrow$  \$13.50 - \$5 = \$8.50  
Distance travelled  $\rightarrow$  10 km +  $\frac{8.50}{0.10}$  x 150 m  
= 10 km + 12750 m ( $\approx$ 12.75 km)  $\Rightarrow$  22.75 km

Q14 Area of rectangle 
$$\rightarrow$$
 (28 x 14) cm<sup>2</sup> = 392 cm<sup>2</sup>  
Area of quadrant  $\rightarrow$  (28 x 28 x  $\frac{22}{7}$ ) cm<sup>2</sup> ÷ 4 = 616 cm<sup>2</sup>

Area of A, B and small quadrant  $\rightarrow$  (616 - 392) cm<sup>2</sup> ÷ 4 = 224 cm<sup>2</sup>

Area of small quadrant  $\rightarrow$  (14 x 14 x  $\frac{22}{7}$ ) cm<sup>2</sup> ÷ 4 = 154 cm<sup>2</sup>

Area of A and B  $\rightarrow$  (224 - 154) cm<sup>2</sup> = 70 cm<sup>2</sup>

Area of H and B  $\rightarrow$  (616 - 154) cm<sup>2</sup> = 462 cm<sup>2</sup>

Difference in two shaded parts = (462 - 392) cm<sup>2</sup>  $\Rightarrow 70$  cm<sup>2</sup>

Q15 (a) 20 large + 14 small 
$$\rightarrow$$
 12.48 m  
39 small  $\rightarrow$  12.48 m

14 small 
$$\rightarrow$$
 12.48 m x  $\frac{14}{39}$  = 4.48 m

Length of wire for 20 large stars (12.48 – 4.48) m = 8 m I small star  $\rightarrow$  12.48m  $\div$  39 = 0.32 m No. of small stars  $\rightarrow$  (8  $\div$  0.32) m  $\Rightarrow$  25 small stars

(b) No. of large and small stars  $\rightarrow$  15 large + 6 small Small stars  $\rightarrow$  0.32 m x 6 = 1.92 m 15 large stars  $\rightarrow$  8m x  $\frac{15}{20}$  = 6 m Wire needed  $\rightarrow$  (6 + 1.92) m  $\Rightarrow$  7.92 m

Q16 (a) 5 units + 2 parts 
$$\rightarrow$$
 300  
(3 units + 1 part = 166) x 2  
6 units + 2 parts = 332  
1 unit = 332 - 300 = 32  
No. of adults  $\rightarrow$  32 x 5  $\Rightarrow$  160

(b) 3 units 
$$\rightarrow$$
 32 x 3 = 96  
No. of girls  $\rightarrow$  166 - 96  $\Rightarrow$  70

Q17 (a) 26 units 
$$\rightarrow$$
 39  
16 units  $\rightarrow$  39 x  $\frac{16}{25}$  = 24  
Total value of \$5 notes  $\rightarrow$  24 x \$5  $\Rightarrow$  \$120

(b) 4 units 
$$\rightarrow 39 \times \frac{4}{26} = 6$$
  
10 units  $\rightarrow 39 \times \frac{10}{26} = 15$ 

Total value in the end  $\rightarrow$  6 x \$5 + 15 x \$10  $\Rightarrow$  \$180