



INTERNATIONAL SINGAPORE MATHS COMPETITION 2019 (Primary 2)

1 hour 30 minutes

Instructions to participants

1. Do not open the booklet until you are told to do so.
2. Attempt ALL 25 questions.
3. Write your answers neatly in the Answer Sheet provided.
4. Marks are awarded for correct answers only.
5. All figures are not drawn to scale.
6. No calculators may be used.

Questions in Section A carry 2 marks each, questions in Section B carry 4 marks each and questions in Section C carry between 6 to 10 marks each.

Jointly organised by



Section A:



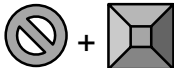
Each of the questions 1 to 10 carries 2 marks.

1. A group of 167 pupils are seated according to their index numbers in the hall as follows. Which row is the last pupil seated in?

Row 1	1	10	11	...	...
Row 2	2	9	12	...	...
Row 3	3	8	...	...	...
Row 4	4	7	...	...	...
Row 5	5	6	...	...	...

2. Cass made 147 paper stars. She made 82 more stars than Sue. How many stars did they make altogether?
3. The key code to a lock is a 3-digit number. All the digits are greater than 3. The digit in the Tens place is 1 less than the digit in the Ones place and 4 more than the digit in the Hundreds place. What is the 3-digit number?

4. C is 2 times of D. B is half of A.
B is greater than C. Which of A, B, C or D is the smallest?

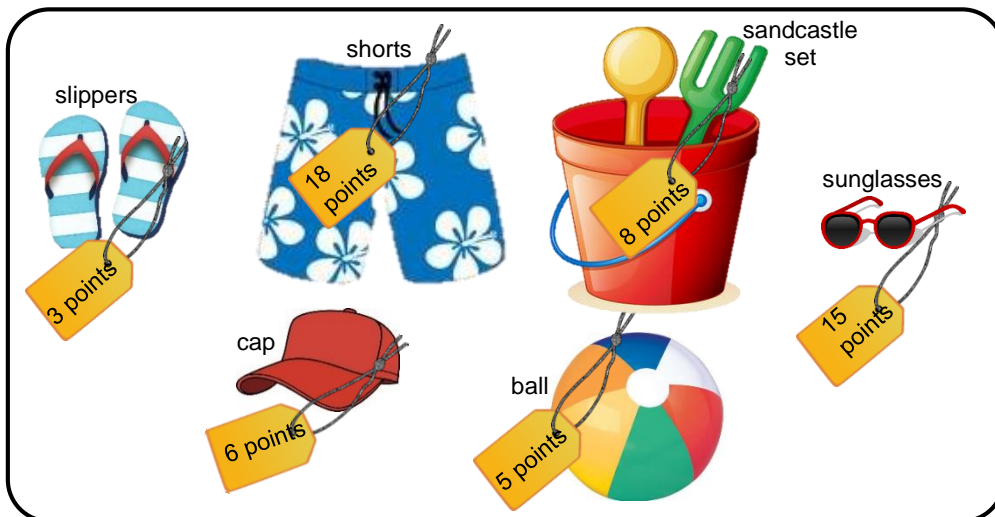
5. If  stands for 27 and  stands for 44, what does  stand for?

6. At the end of a camp, all the campers were arranged into 3 equal rows to take a photograph. Lynnette was in the second row. She was the 6th from left and 7th from right. How many campers were there altogether?

7. 1000 dots are evenly spaced to form a circle.
They are numbered from 1 to 1000 with dot 1000 directly opposite dot 500.
Which dot is opposite dot 857?

8. Tom is spending the weekend at the beach. He visits the shop there. The shop lists the value of the items they sell by points. Tom has a voucher for 42 points.

Which items should Tom buy to make the most of the voucher if the remainder points are not refundable for cash?



9. The minute hand of a clock moves from 1 to 5. Over what fraction of the clock face does the minute hand move?

10. Arrange the following fractions from the smallest fraction to the largest fraction.

$$\frac{3}{7}, \frac{3}{5}, \frac{3}{9}, \frac{3}{4}$$

Section B

Each of the questions 11 to 20 carries 4 marks.

11. I think of a number between 10 to 30. It is an odd number. The sum of the digits lies between 4 and 8. The product of their digits also lies between 4 and 8. The product is larger than the sum. What is the number?

12. Two boys have the same amount of money. Together, they have the same amount of money as five girls. If each girl has \$4, how much more money does each boy have than each girl?

13. In a contest to guess the number of balloons in a bunch, Munah guessed 25, Nick guessed 31, Peter guessed 29, Brenda guessed 23 and Irene guessed 27. Two guesses missed the correct answer by 2, and two guesses missed by 4. The other guess was correct. How many balloons were there in the bunch?

14. Suresh arranges 6 coloured cubes – Red, Blue, Green, Yellow, Orange and Black, in a straight line.

The Orange cube is not next to the Yellow cube.

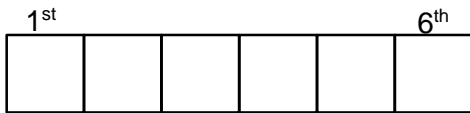
The Blue cube is next to the Black cube and the Green cube.

The Yellow cube is neither in the 1st nor 4th position.

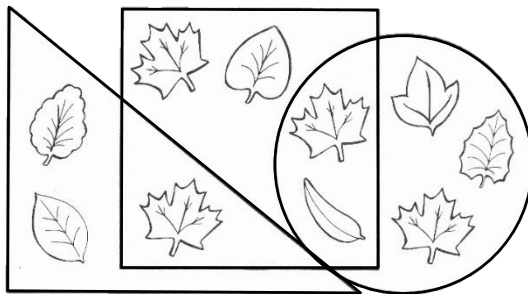
The Red cube is in the 6th position.

The Black cube is next to the Yellow cube and the Blue cube.

Which position is the Green cube in?








15.



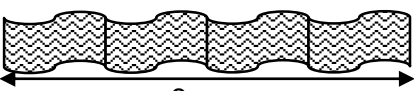

a) How many leaves are in the circle that is not in the square?

b) How many leaves are in both the triangle and the circle?

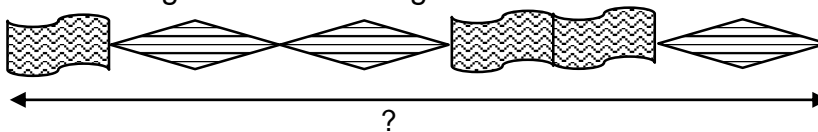
16. The following graph shows the number of paper planes 4 children folded. Each  represents a number of paper planes.

Roy	
Lia	
Pol-Ek	
Puk	

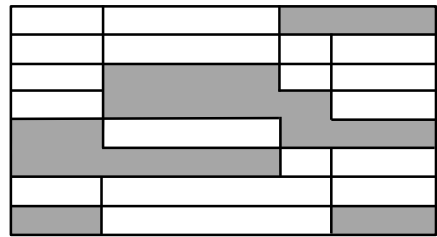
If the children folded a total of 60 paper planes, how many planes must Lia give to Roy so that they both have the same number of paper planes?

17. Given that  and  ,
- 8 cm 10 cm

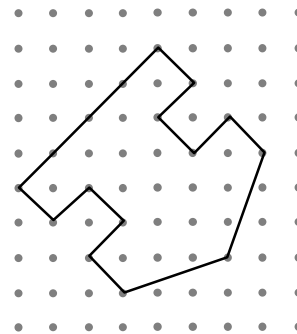
What is the length of the following?



18. What fraction of the figure is not shaded?



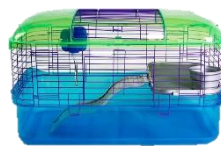
19. Draw the figure below in your Answer Sheet.



20.



House A
\$118



House B
\$75



House C
\$98



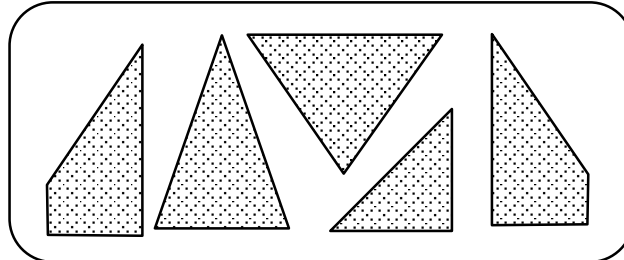
House D
\$?

A pet-shop sells four types of hamster housing. Together, they cost \$75 less than \$400. How much more does House C cost than House D?

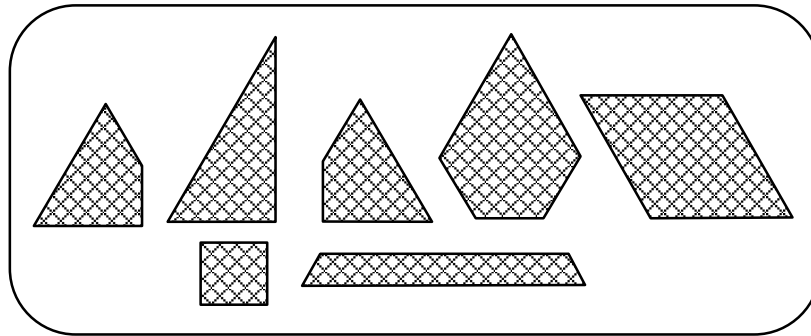
Section C

Questions 21, 22, 23, 24 and 25 carry 6, 7, 8, 9 and 10 marks respectively.

21a. Which 3 parts form a square? Circle them.



21b. What 4 parts form a triangle? Circle them.



22. The diagrams show three scales. On each scale are different object(s) on one side which balance the object(s) on the other side.

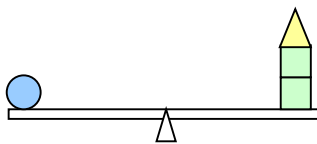


Diagram 1

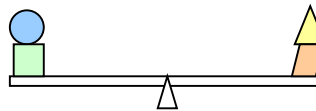


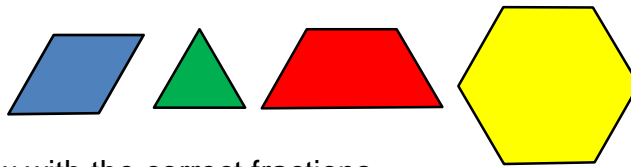
Diagram 2



Diagram 3

How many  will balance a  ?

23. Study the shapes below.





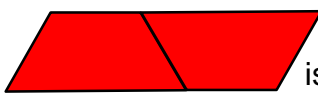
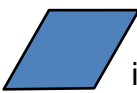
Fill in the blanks below with the correct fractions.

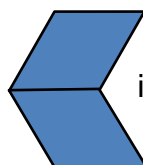
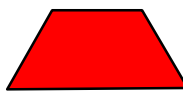
a.  is _____ of .

b.  is _____ of .

c.  is _____ of .


d.  is _____ of .













e. If  is 1 whole, then  is _____.

f. If  is 1 whole, then  is _____.

24a. 2 pairs of skates and 4 skateboards cost \$558.
Find the cost of 1 pair of skates and 2 skateboards.

b. If Gopal buys an electric scooter, he will be short of \$150.
If he buys a pair of skates and a skateboard, he will have \$142 left.
If the electric scooter cost \$475, how much does a pair of skates cost?

25a. The shapes in the diagram below represent numbers greater than 0 which add up horizontally to the sums given at the end of the rows.
If the value of X is less than 20, what is the value of ?

				6
				13
				X

b. Knowing the values of ,  and , now form the largest 2-digit multiple of 4.

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