2019 PRIMARY 5 SEMESTRAL ASSSESSMENT 1

Name : _____ ( ) Date: 15 May 2019

Class : Primary 5 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____ Marks: _____ / 100

Paper 1 comprises

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. Shade your answers in the Optical Answer Sheet (OAS) provided.
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) and shade your answer on the Optical Answer Sheet.

(20 marks)

---

1. What is the value of digit 7 in 9 073 148?

   (1) 700
   (2) 7000
   (3) 70 000
   (4) 700 000

2. The first common multiple of 2, 3 and 4 is _____.

   (1) 24
   (2) 12
   (3) 9
   (4) 6

3. Which of the following is likely to be the height of a teacher's classroom table?

   (1) 100 cm
   (2) 150 cm
   (3) 200 cm
   (4) 250 cm

4. Which one of the following is the same as $\frac{8}{9}$ of 7?

   (1) $\frac{8 \times 7}{9 \times 1}$

   (2) $\frac{8 \times 7}{9 \times 7}$

   (3) $\frac{7 \times 9}{8 \times 1}$

   (4) $\frac{7 \times 9}{8 \times 8}$

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5. Express $9\frac{3}{20}$ as a decimal.

(1) 9.23

(2) 9.20

(3) 9.15

(4) 9.03

6. Find the sum of 1 kg 400 g, 1 kg 8 g and 1 kg 600 g.

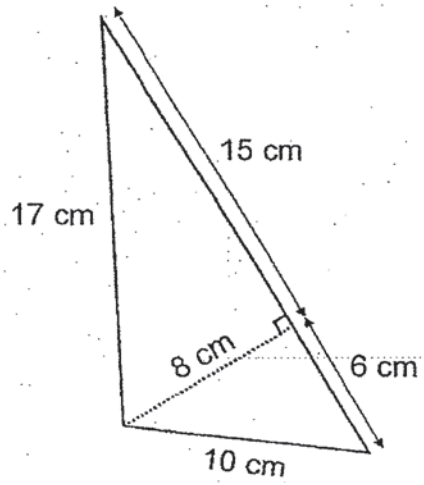
(1) 3.08 kg

(2) 4.08 kg

(3) 3.008 kg

(4) 4.008 kg

7. Find the area of the triangle.



(1) 105 c m^2

(2) 85 cm^2

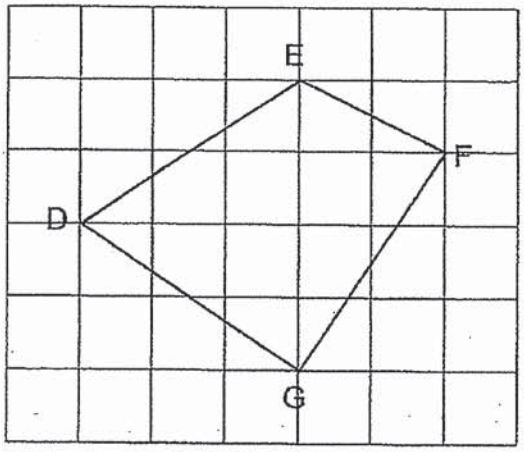
(3) 84 cm^2

(4) 60 cm^2

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8. Study the diagram below. Which one of the following statements is true?



(1) DE is parallel to FG.

(2) EF is parallel to GD.

(3) EF is perpendicular to FG.

(4) FG is perpendicular to GD.

9. $8 \times \frac{1}{6} + ____ \times \frac{1}{6} + \frac{1}{6} = 39 \times \frac{1}{6}$

(1) 30

(2) $\frac{13}{2}$

(3) $\frac{29}{3}$

(4) 5

10. Find the value of $6 + 15 \div (3 - 2 \times 0)$.

(1) 21

(2) 11

(3) 7

(4) 0

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11. The average height of June, Ali and Linda is 160 cm. Ali is 166 cm tall. June and Linda are as tall as each other. What is Linda's height?

(1) 154 cm

(2) 157 cm

(3) 162 cm

(4) 164 cm

12. The sum of two decimals is 30. Their difference is 5.6 .
What is the smaller decimal?

(1) 12.2

(2) 17.8

(3) 24.4

(4) 35.6

13. Chandra had 90¢, En Hao had $1.20 and Fiza had $3.
Find the ratio of the amount of money Fiza had to the amount of money En Hao had to the amount of money Chandra had.

(1) 30 : 40 : 1

(2) 10 : 4 : 3

(3) 3 : 4 : 10

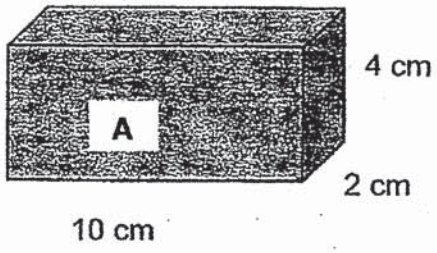
(4) 1 : 40 : 30

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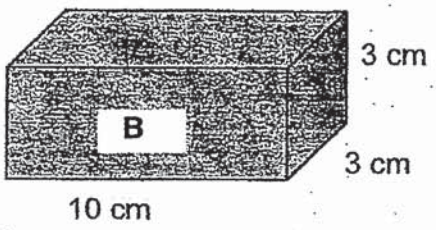
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14. Helen wants to pack one hundred 1-cm cubes into a container.
She wants to have the least amount of space leftover inside the container after the cubes have all been placed in it.
Which of the containers, A, B, C or D, is the best fit?

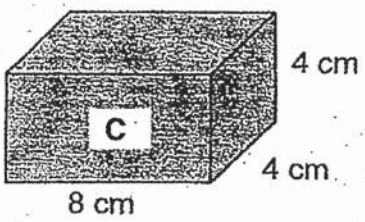
(1)



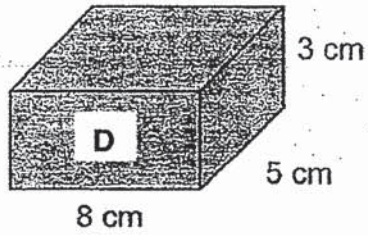
(2)



(3)



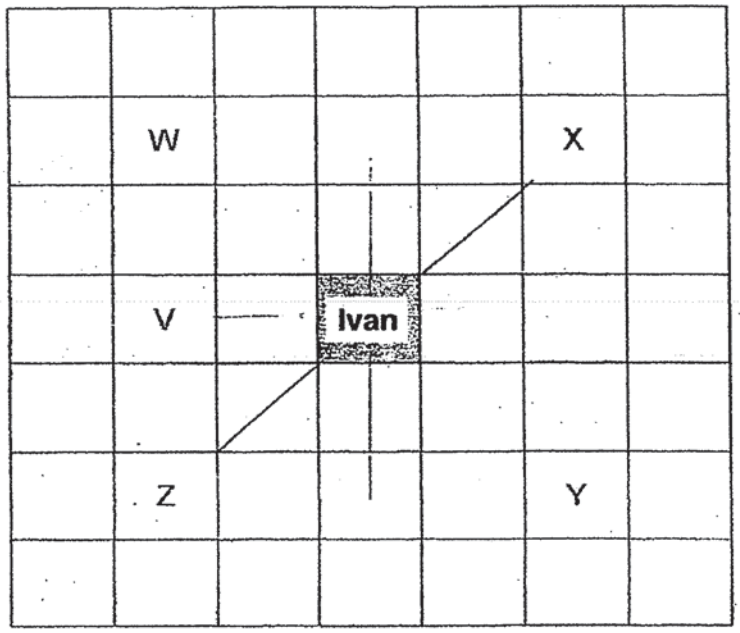
(4)



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15. After making a $\frac{3}{4}$ turn clockwise and then a $\frac{1}{2}$ turn anticlockwise, Ivan was facing Z. Where was he facing at first?



(1) V
(2) W
(3) X
(4) Y

- End of Booklet A -

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2019 PRIMARY 5 SEMESTRAL ASSESSMENT 1

Name : _____ Date: 15 May 2019

Class : Primary 5 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature : _____

Paper 1 comprises 2 booklets, A and B.

MATHEMATICS

PAPER 1

(BOOKLET B)

25

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. Write your answers in this booklet.
6. You are **not** allowed to use a calculator.

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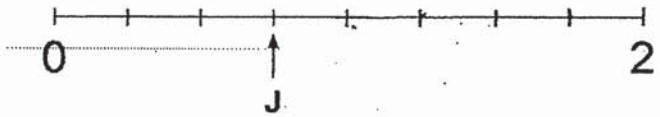
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Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

16. Subtract $1\frac{1}{5}$ from $3\frac{3}{8}$.

Ans: _____

17. Write down the decimal represented by the letter J in the number line.



Ans: _____

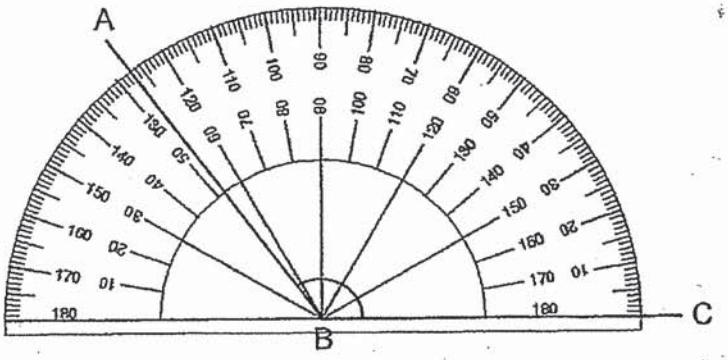
18. Express 106 minutes in hours.

Ans: _____ h

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19. Write down the size of ∠ABC.



Ans: _____ °

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20. The table shows the number of good deeds carried out by 5 classes in a month.

Class D	Class E	Class F	Class G	Class H
30	40	25	50	55

What is the average number of good deeds performed by the 5 classes?

Ans: _____

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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)

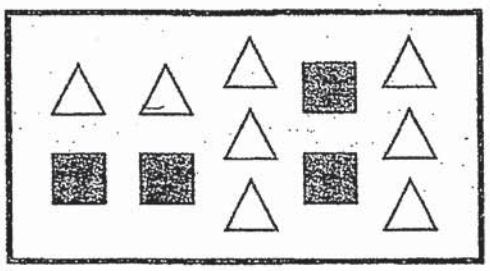
21. The table shows the prices of 5-room flats in some towns.

Town	Prices
Bedok	$575 000
Clementi	$728 000
Kallang	$652 500
Marine Parade	$730 000
Tampines	$525 000

What is the difference between the highest price and lowest price?

Ans: $_____

22. How many triangles must be removed from the diagram below so that the ratio of the number of triangles to the number of squares becomes 3 : 2?

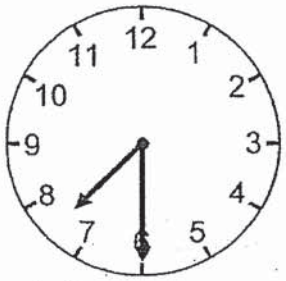


Ans: _____

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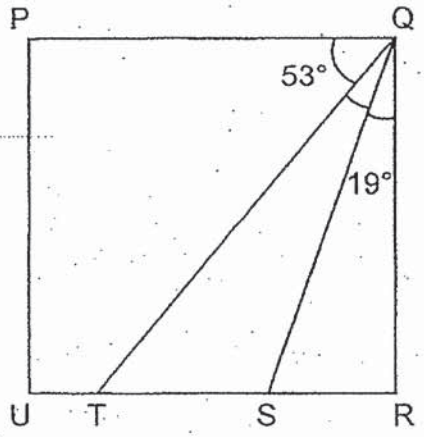
23. Gopal started his training in the morning at the time shown below.
He stopped $5\frac{1}{2}$ h later. What time did Gopal's training end?
Give your answer in 24-hour clock.



Ans: _____

---

24. PQRU is a square. Find ∠SQT.



Ans: _____ °

---

25. 7 654 321 = ☐ − 321

Give your answer correct to the nearest 1000.

Ans: _____

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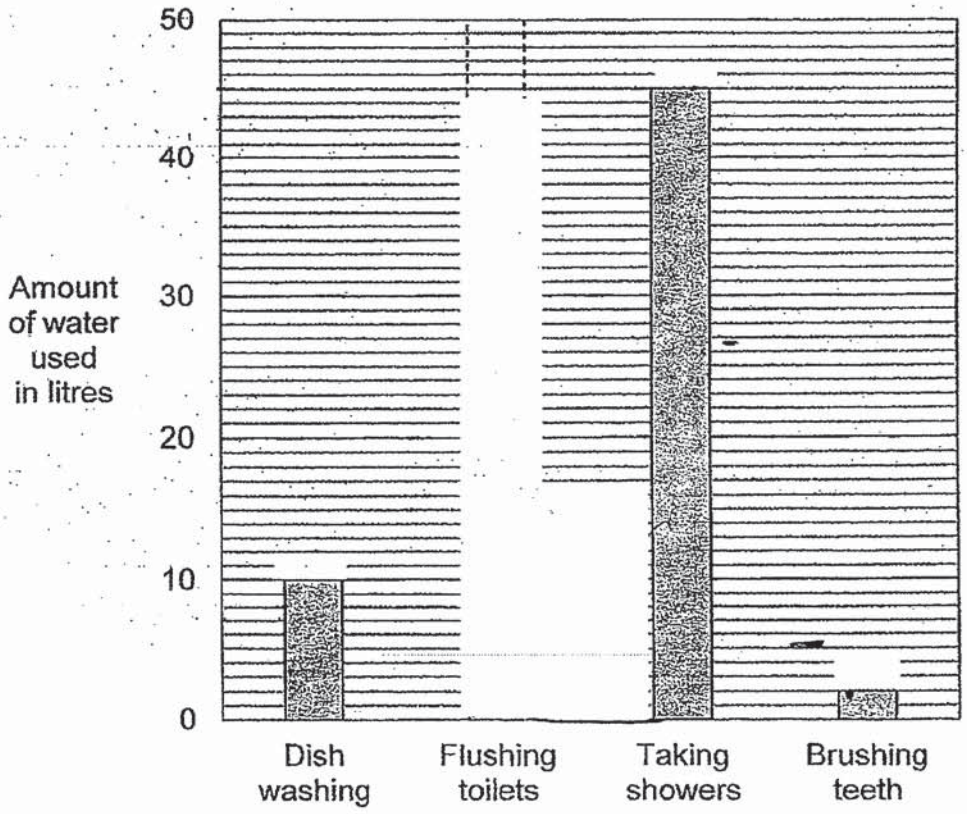
26. Refer to the advertisement below. How much does 1.2 kg of rambutans cost?



Ans: $ _____

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27. The bar graph shows how a household used 72 ℓ of water for 4 activities. Complete the bar graph by showing the amount of water used for flushing toilets.



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28. An Kang bought 3 kg of grapes. He ate $\frac{1}{2}$ kg of grapes and his brother ate $\frac{1}{4}$ of the grapes. How much grapes were left?

Ans: _____ kg

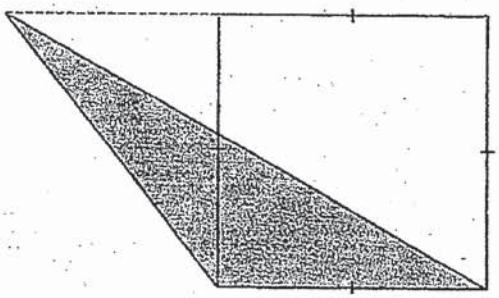
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29. Nadia's mass is 29.7 kg. She is twice as heavy as her brother. Find the mass of her brother.

Ans: _____ kg

---

30. The area of the triangle is 18 cm^2. Find the length of one side of the square.



Ans: _____ cm

End of Booklet B

End of Paper 1

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2019 PRIMARY 5 SEMESTRAL ASSESSMENT 1

Name : _____ ( ) Date: 15 May 2019

Class : Primary 5 ( ) Time: 10.30 a.m. - 12.00 noon

Parent's Signature : _____

MATHEMATICS

PAPER 2

55

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 allowed to use a calculator.

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Questions **1** to **5** 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. (10 marks)

1. Study the following letters. Write down the letters with only 1 line of symmetry.

C E H S T

Ans: _____

2. The total time taken by the first two runners to complete a race was 3 min 46 s. The champion finished the race 2 s faster than the runner in the second place. How long did the champion take to complete the race?

Ans: _____ min _____ s

3. Minghua, Nila and Omar shared the cost of a gift. Omar paid $8.85 and Minghua paid $7.90. Nila and Omar paid twice as much as Minghua. How much did Nila pay?

Ans: $ _____

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4. Find the sum of all the even numbers less than 50.

Ans: _____

---

5. Pansy had some beads. She used $\frac{7}{10}$ of them to make a necklace and gave $\frac{2}{9}$ of the remainder to her sister.

What fraction of her beads was given to her sister?
Give your answer in the simplest form.

Ans: _____

---

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For questions **6** to **17**, show your working clearly 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)

6. There were 40 people on a bus.
The ratio of the number of adults to the number of children was 1 : 7.

(a) How many adults were there?

(b) There were 3 more girls than boys.
Find the ratio of the number of boys to the number of girls.

Ans: (a) _____ [1]

(b) _____ [2]

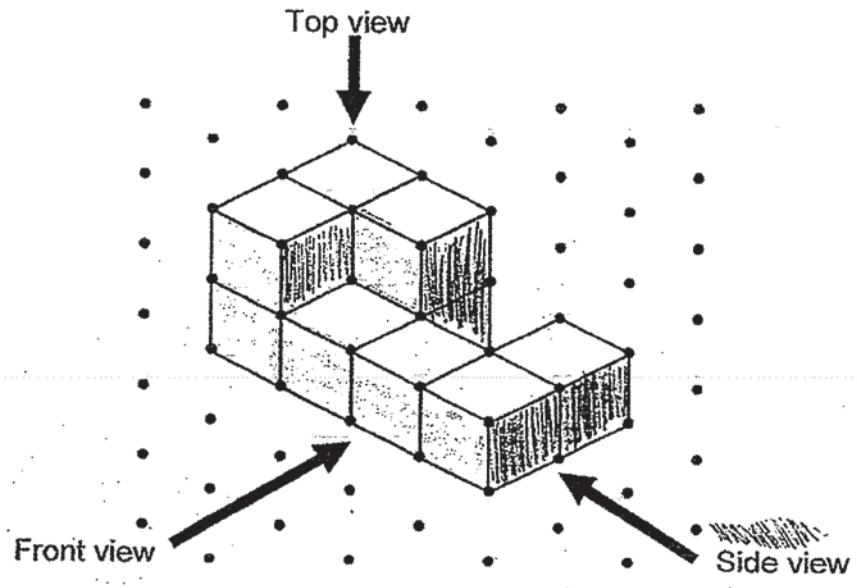
7. The mass of a container with 2 basketballs and 3 footballs is 7.5 kg.
The mass of the same container with 4 basketballs and 5 footballs is 9.58 kg.
Find the mass of the container with 1 football.

Ans: _____ [3]

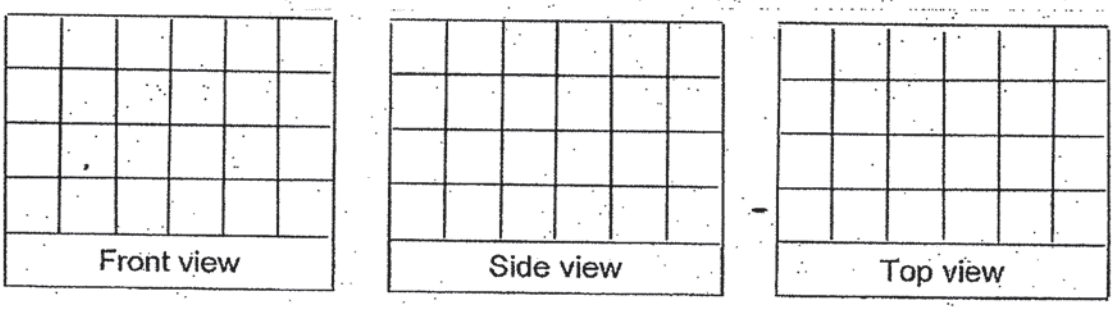
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8. The solid below is made up of unit cubes.



Using the square grids below, draw the top view, side view and front view of the solid. [3]



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9. Machine A makes 9 cups of coffee in 4 minutes.
Machine B makes 1 cup of coffee in 2 minutes.
In 1 hour, how many more cups of coffee does Machine A make than Machine B?

Ans: _____ [3]

10. To decorate some presents, Quan Yu bought 2 rolls of ribbon.
Each roll contains 9 m of ribbon. Quan Yu decorates each present with a piece of 70-cm long ribbon. How many presents can Quan Yu decorate?

Ans: _____ [3]

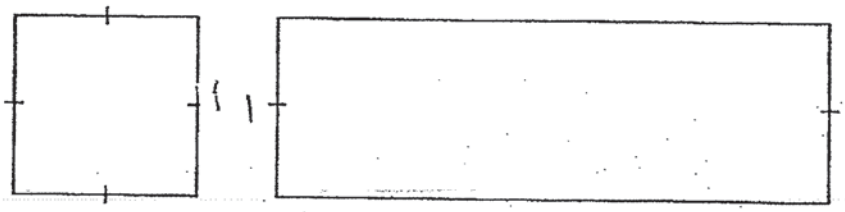
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11. The perimeter of the square and rectangle is 216 cm.
The ratio of the area of the rectangle to the area of the square is 3 : 1.

(a) Find the breadth of the rectangle.

(b) Find the ratio of the perimeter of the square to the perimeter of the rectangle. Give your answer in the simplest form.



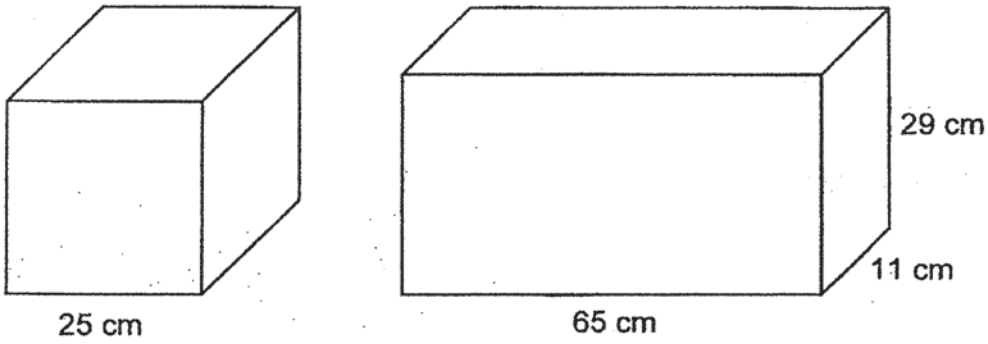
Ans: (a) _____ [2]

(b) _____ [2]

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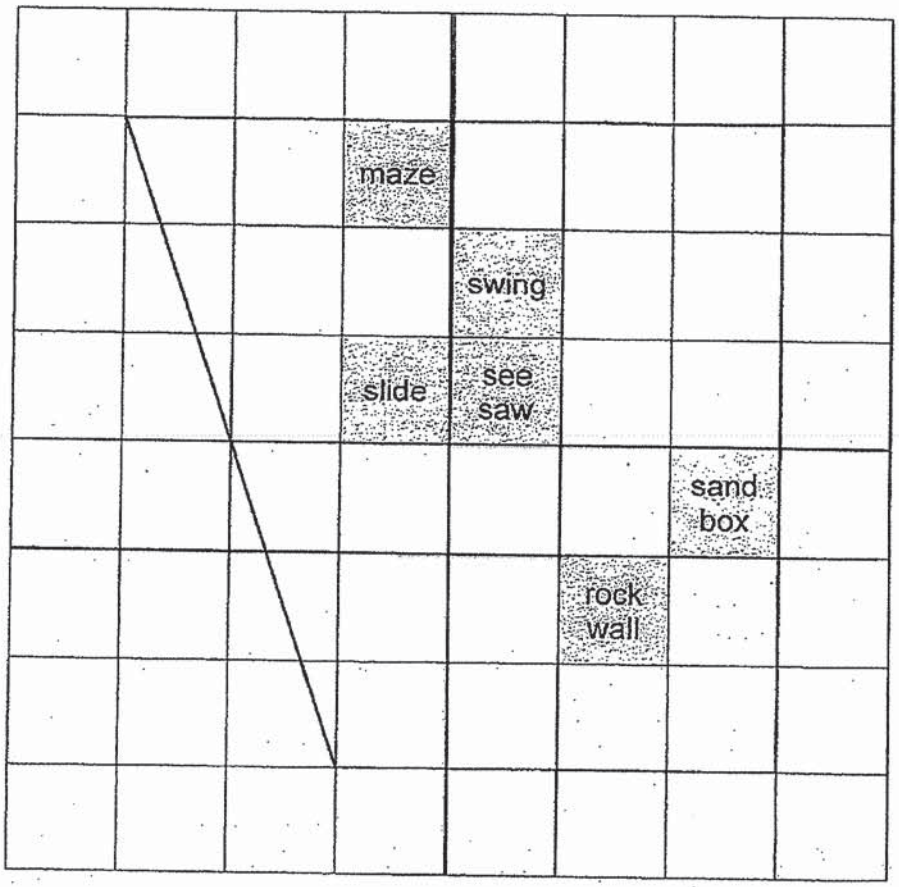
12. A cubical tank is filled to the brim with water.
All the water is poured from the cubical tank into the rectangular tank.
How much more water is needed to fill the rectangular tank to its brim?
Give your answer in litres.



Ans: _____ [4]

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13. The perimeter of a playground is shown on the square grid.



(a) Find the area of the playground. Give your answer in square units. [2]

(b) Name the equipment that is southeast of the swing. [1]

(c) Reyah's mother is watching over her under a shelter at the playground. The shelter is to the west of the sand box and northwest of the rock wall. **Mark** the shelter with '**X**' on the square grid. [1]

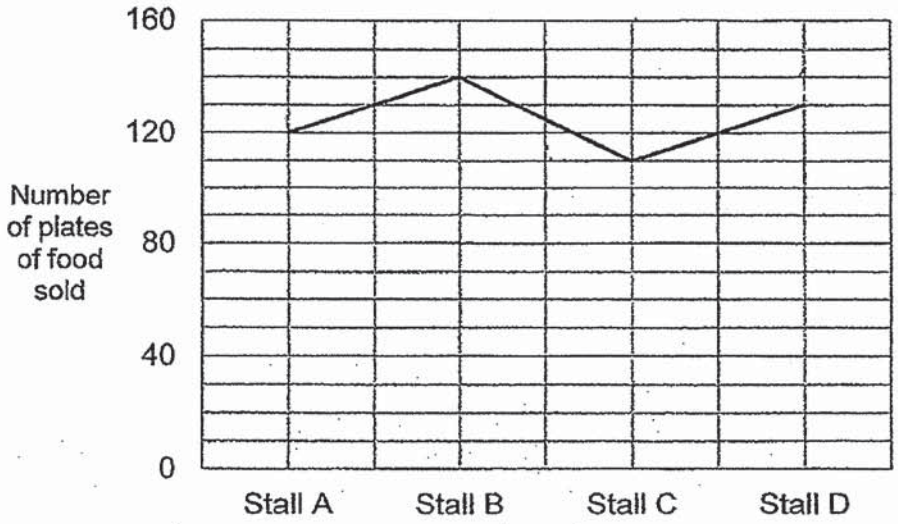
Ans: (a) _____ [2]

(b) _____ [1]

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14. The line graph shows the number of plates of food sold at 4 stalls on Monday.



The table below shows the price of each plate of food sold.

Stall	Price of 1 plate of food
A	$2.50
B	$2.40
C	$2.90
D	$2.45

(a) Find the difference in the earnings received from the food sold between Stall A and Stall D.

(b) Each statement below is either true, false or not possible to tell from the data given.
For each statement, put a **tick (✓)** in the correct column. [2]

	Statement	True	False	Not possible to tell
(i)	Stall C sold the least number of plates of food on Monday.			
(ii)	Stall B sold 980 plates of food in a week.			

Ans: (a) _____ [2]

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15. Trish spent a total of 7 h in one week reading.
Each day, Trish spent 10 minutes more than the previous day reading.
How long did Trish spend reading on the fifth day?
Give your answer in hours.

Ans: _____ [4]

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16. Weiming had 100 more guppies than angelfish.
He gave his brother $\frac{4}{5}$ of his guppies and $\frac{1}{2}$ of the angelfish.

He then had 90 fish left.

Find the total number of fish Weiming had at first.

Ans: _____ [5]

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17. Meiling used grey and white beads to make figures that form a pattern.

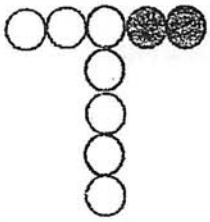


Figure 1

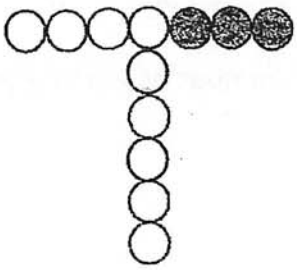


Figure 2

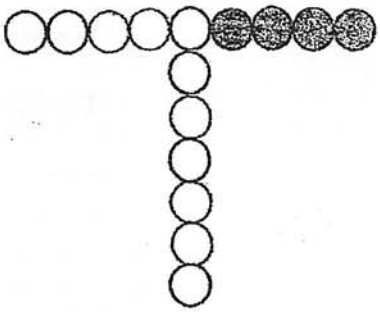


Figure 3

Figure 4

(a) **Draw Figure 1.** [1]

(b) Fill in the missing numbers in the table. [1]

Figure	Number of grey beads	Number of white beads	Total number of beads
1			
2	2	7	9
3	3	9	12
4	4	11	15
5	5		

(c) How many beads were used for **Figure 10**? [1]

(d) Meiling made a figure using a total of 45 beads. Which **figure** is this? [2]

Ans: (c) _____ [1]

(e) **Figure**_____ [2]

End of Paper 2

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ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 5
SCHOOL : TAO NAN SCHOOL
SUBJECT : MATHEMATICS
TERM : SA 1

PAPER ONE

Q1	3	Q2	2	Q3	1	Q4	1	Q5	3
Q6	4	Q7	3	Q8	4	Q9	1	Q10	2
Q11	2	Q12	1	Q13	2	Q14	4	Q15	4

Q16) $2\frac{7}{40}$

Q17) 0.75

Q18) $1\frac{23}{30}$ h

Q19) 127□

Q20) 40

Q 30 000 – 525 000 = $205 000

Q22) 8 – 6 = 2 triangles

Q23) 7.30am + 5 hours 30mins = 13 00

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Q24) 53 + 19 = 72

90 – 72 = 18□

Q25) 7 654 321 + 321 = 7 654 642

≈ 7 655 000

Q26) 1200 ÷ 100 = 12

12 x 50 = $6

Q27) 45 + 2 + 10 = 57

72 – 57 = 15

Ans: Draw the graph at 15

Q28) $\frac{1}{2}$ kg = 500g

$\frac{1}{4}$ x 3 = 750g

3kg – 500 – 750 = 1.75kg

Q29) 29.7 ÷ 2 = 14.85 kg

Q30) 18 x 2 = 36

36 = 6 x 6

= 6cm

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PAPER TWO

Q1) C, E & T

Q2) 3min 46s – 2s = 3min 44s
3min 44s ÷ 2 = 1min 52s

Q3) 7.90 x 2 = 15.80
15.80 – 8.85 = $6.95

Q4) 600

Q5) 10 x 3 = 30

$$\frac{2}{30} = \frac{1}{15}$$

Ans: $\frac{1}{15}$

Q6a) 1 + 7 = 8
40 ÷ 8 = 5

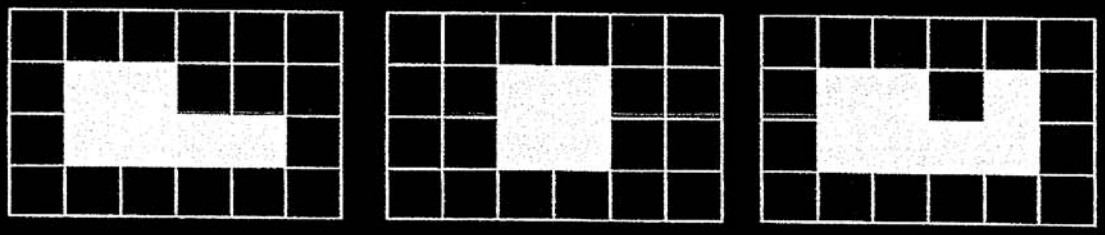
Q6b) 5 x 7 = 35
(35 – 3) ÷ 2 = 16
16 + 3 = 19
D : G = 16 : 19

Q7) 9.58 – 7.5 = 2.08 (2B + 2F)
7.5 – 2.08 = 5.42kg

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Q8)



Q9) A → 60 ÷ 4 = 15

15 x 9 = 135

B → 60 ÷ 2 = 30

30 x 1 = 30

135 – 30 = <u>105</u>

Q10) 9m = 900cm

900 ÷ 70 = 12 R60

12 x 2 = <u>24</u>

Q11a) R : S

3 : 1

1 + 1 + 1 + 1 + 1 + 3 + 3 + 1 = 12

216 ÷ 12 = <u>18cm</u>

Q11b) 18 x 4 = 72

18 x 3 = 54

54 + 54 + 18 + 18 = 144

72 : 144 = <u>1 : 2</u>

Q12) 25 x 25 x 25 = 15 625

65 x 11 x 29 = 20 735

20 735 – 15 625 = 5110cm^3

= <u>5.11 litres</u>

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Q13a) $\frac{1}{2}$ x 2 x 6 = 6

4 x 6 = 24

24 x 6 = <u>30 square units</u>

Q13b) <u>Sandbox</u>

Q13c) X on the box below the see saw grid.

Q14a) 2.50 x 120 = 300

130 x 2.45 = 318.50

318.50 – 300 = <u>$18.50</u>

Q14b) i: True ii: Not possible to tell

Q15) 210 min = 3h 30min

7h – 3h 30min = 3h 30min

3h 30min ÷ 7 = 30min

4 x 10 = 40

30 + 40 = 70 min

$= 1\frac{1}{6}$ h

Ans: $1\frac{1}{6}$ h

Q [illegible] – A = 100

G = 100 + A

$G(1 - \frac{4}{5}) + A(1 - \frac{1}{2}) = 90$

$\frac{1}{5}G + \frac{1}{2}A = 90$

$\frac{1}{5}(100 + A) + \frac{1}{2}A = 90$

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$20 + \frac{1}{5}A + \frac{1}{2}A\ 90$

$\frac{7}{10}A = 70$

$A = 100$

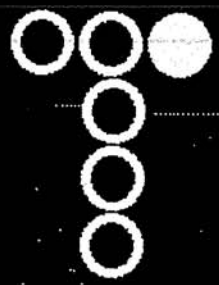
$G = 100 + 100$

$= 200$

Total = 100 + 200

= <u>300 guppies</u>

Q17a)



Q17b) Fig 1: 1, 5, 6 Fig 5: 13, 18

Q17c) 10 + 11 + 12 = <u>33 beads</u>

Q17d) 14 + 15 + 16 = 45

= <u>Figure 14</u>

END

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