Name: _____ ( )

Class: Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2019 Mid - Year Assessment

Paper 1

Booklet A

14 May 2019

15 questions
20 marks

Total Time for Booklets A and B: 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of calculators is **NOT** allowed.

This booklet consists of 8 printed pages.

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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 (1, 2, 3, or 4) on the Optical Answer Sheet.

(20 marks)

---

1. In 315 049, what is the value of the digit in the thousands place?

   (1) 5

   (2) 5000

   (3) 15 000

   (4) 315 000

2. 4 862 703 = 4 000 000 + 800 000 + _____ + 3

   (1) 60 000

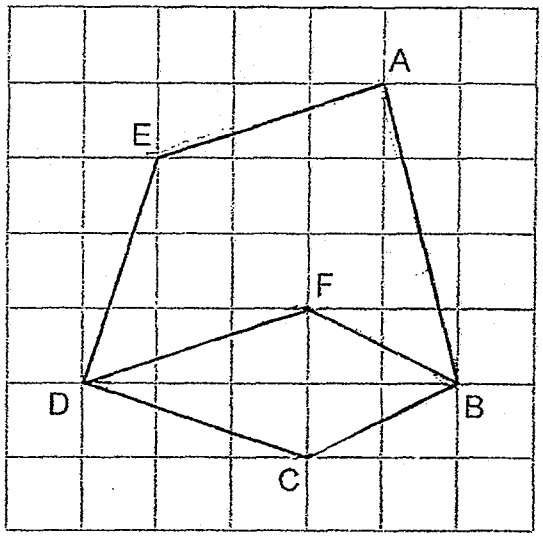
   (2) 62 000

   (3) 62 700

   (4) 62 703

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3. In the figure below, which two lines are parallel to each other?



(1) BC and DF

(2) BC and BF

(3) AE and DF

(4) AB and DE

4. 2.106 x 100 = _____

(1) 0.02106

(2) 0.2106

(3) 21.06

(4) 210.6

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5. Amos gave $\frac{3}{7}$ of his badges to Louis and had 168 badges left. How many badges did he give Louis?

(1) 294

(2) 126

(3) 96

(4) 72

6. What is the missing number in the box?

$$\frac{10}{18} = \frac{35}{\boxed{?}}$$

(1) 39

(2) 43

(3) 59

(4) 63

7. Henry left school at 11.45 a.m. He took 19 minutes to travel home from school. At what time did Henry reach home?

(1) 12.04 p.m.

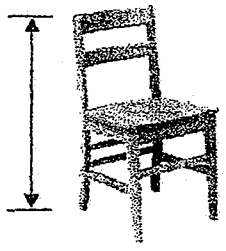
(2) 12.04 a.m.

(3) 11.26 p.m.

(4) 11.26 a.m.

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8. The figure below shows a chair in a classroom. Which one of the following could be the height of the chair?



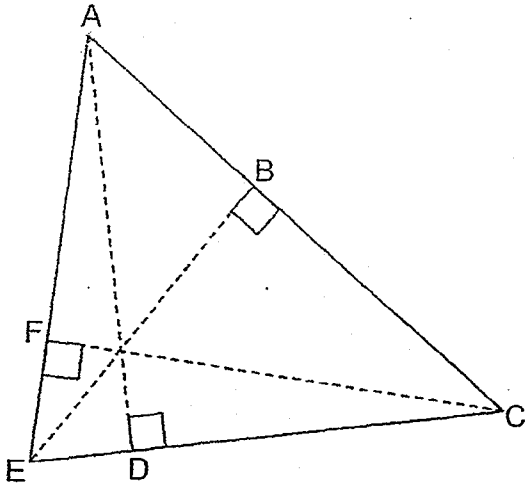
(1) 9 cm

(2) 90 cm

(3) 9 m

(4) 90 m

9. In the figure below, BE is the height of triangle ACE. What is the base of triangle ACE?



(1) AB

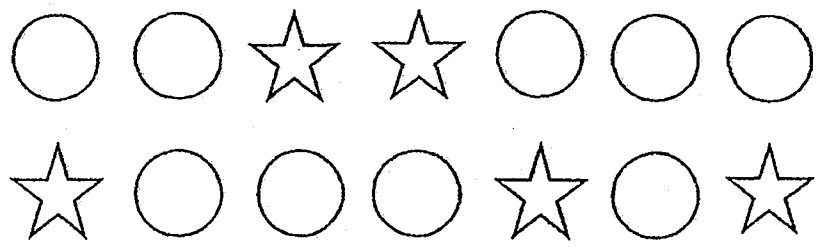
(2) AC

(3) CE

(4) CF

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10. What is the ratio of the number of circles to the total number of circles and stars?



(1) 5 : 9

(2) 9 : 5

(3) 5 : 14

(4) 9 : 14

11. Raja bought a piece of cloth 9.8 m long. He cut it into 3 pieces. The first piece was 6.7 m long. The second piece was 2.67 m long. What was the length of the third piece of cloth?

(1) 0.43 m

(2) 4.03 m

(3) 5.77 m

(4) 9.37 m

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12. Jee Ming had \$65. He spent $\frac{2}{5}$ of it on ice cream and another \$5 on waffles. How much money did Jee Ming have left?

(1) \$31

(2) \$34

(3) \$36

(4) \$44

13. Arul had some flour. She used 480 g of it to make muffins and the rest of it to make cakes. The ratio of the mass of flour used for the cakes to the mass of flour used for the muffins was 1 : 4. How much flour did Arul use to make the cakes?

(1) 120 g

(2) 360 g

(3) 1440 g

(4) 1920 g

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14. An equal number of boys and girls took part in a recycling activity. They collected a total of 120 kg of clothes. Each boy collected 6 kg of clothes and each girl collected 4 kg of clothes. What was the difference in the mass of clothes that the boys and girls collected?

(1) 10 kg

(2) 24 kg

(3) 48 kg

(4) 72 kg

15. Tammy spent $\frac{1}{6}$ of her money on a shelf which cost $300. Nara bought a sofa. The sofa cost $\frac{7}{10}$ of the money Tammy had left after she bought the shelf. How much did Nara spend on the sofa?

(1) $450

(2) $540

(3) $1050

(4) $1260

End of Booklet A

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Name : _____ ( )

Class : Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2019 Mid - Year Assessment

Paper 1

Booklet B

14 May 2019

Booklet A	**20**
Booklet B	**25**
Total (Paper 1)	**45**

Total time for booklets A and B : 1 hour

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet
The use of calculators is **NOT** allowed.

This booklet consists of 10 printed pages.

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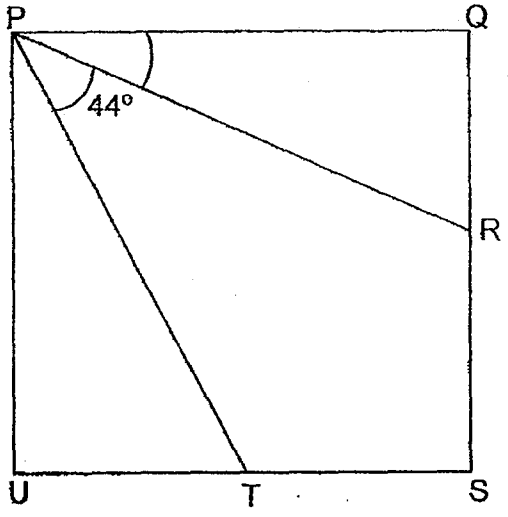
Questions **16** to **20** carry 1 mark each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)

Do not write in this space

16. What is the value of $51 + 18 \div 3 \times 2 - 9$?

Ans : _____

17. Figure PQSU is a square. $\angle RPT = 44°$ and $\angle QPR = \angle UPT$. Find $\angle QPR$.



Ans : _____ °

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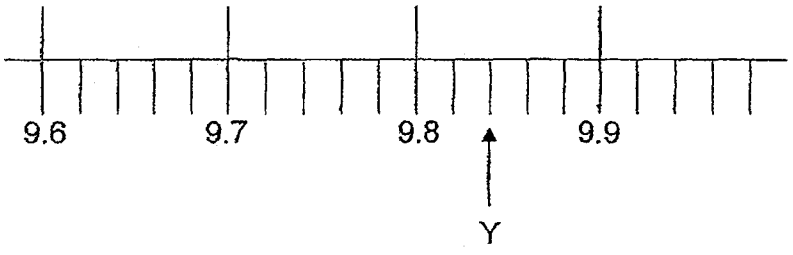
18. Find the value of $4 - \frac{6}{7}$.

Give your answer as a mixed number in its simplest form.

Do not write in this space

Ans : _____

19. Part of a scale is shown below. What is the value of Y?



Ans : _____

20. En En paid $20 for 8 hair clips. Each hair clip cost the same. How much did each hair clip cost?

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)

Do not write in this space

21. Ying Luo listed the factors of 42 below :

1 , 2 , 7

Write down the factors Ying Luo had missed out.

Ans : _____

22. A box contains 59 cookies. 26 of them have walnuts and the rest of them are plain. What is the ratio of the number of plain cookies to the number of walnut cookies?

Ans : _____

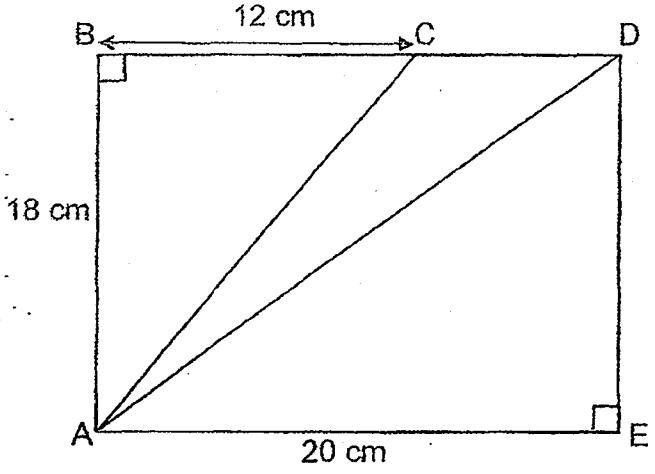
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23. Kathi has as much money as Parry. Both of them have $34 altogether. Ron has $42. What is the ratio of the amount of Ron's money to the amount of Parry's money to the amount of Kathi's money?

Do not write in this space

Ans : _____

24. What is the area of the unshaded parts?



Ans : _____ cm^2

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Do not write in this space

25. Figure 1 shows a triangle of base 3 cm and height 4 cm.
Figure 2 is formed by 4 such triangles in Figure 1.
What is the perimeter of Figure 2?

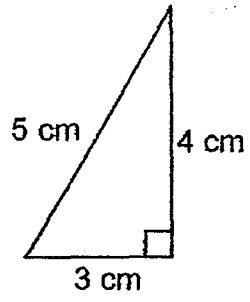


Figure 1

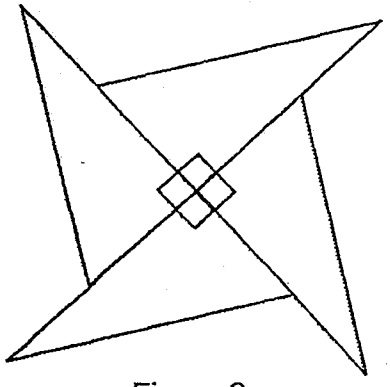


Figure 2

Ans : _____ cm

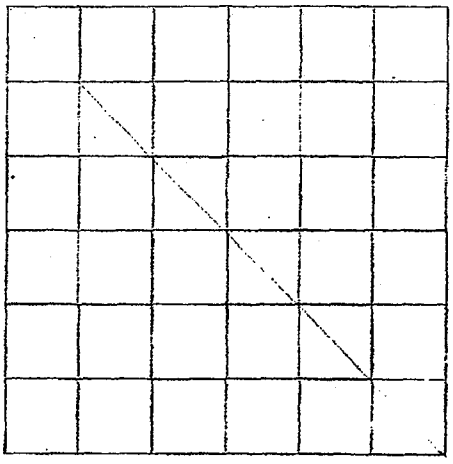
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26. Janis was seated on one of the chairs in the hall. There were 10 rows of chairs in front of her. Every row had the same number of chairs. There were 3 chairs to her left and 8 chairs to her right. How many chairs were there in the hall?

Do not write in this space

Ans : _____

27. There are some shaded squares in the figure below.
Draw the line of symmetry for the figure.



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28. At Tasty Bakery, cakes are on sale as shown in the table below.

Do not write in this space

1 box of cakes	———	$8
3 boxes of cakes	———	$22

Mr Wei wants to buy 8 boxes of cakes. What is the least amount of money he has to pay?

Ans : $ _____

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29. Lindy folded paper stars from Thursday to Sunday. Every day, she folded 16 more paper stars than the day before. On Sunday, she folded a total of 120 paper stars. How many paper stars did she fold on Friday?

Do not write in this space

Ans : _____

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30. There were 218 more coins in Box X than in Box Y.
After 76 coins were removed from Box Y and 34 coins were removed from Box X, the number of coins in Box Y was $\frac{1}{6}$ of the total number of coins in the two boxes. How many coins were there in Box Y at first?

Do not write in this space

Ans : _____

End of Booklet B

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Name: _____ ( )

Class:.Primary 5 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 5 Mathematics

2019 Mid - Year Assessment

Paper 2

14 May 2019

Paper 1	**45**
Paper 2	**55**
Total Marks	**100**

_____

Parent's/Guardian's Signature

Time : 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet
The use of an approved calculator is expected, where appropriate.

This booklet consists of 16 printed pages.

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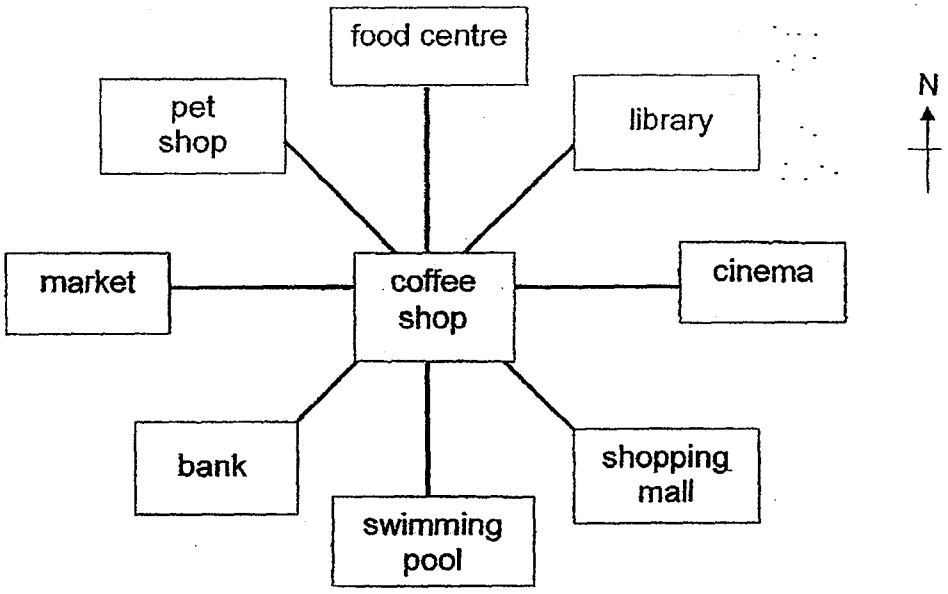
Questions **1** to **5** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

1. 24 rulers cost $7. Chi Wee bought 456 such rulers. How much did he pay for the rulers?

Ans : $ _____

2. Tae Yong was standing at the coffee shop facing south. How many degrees would he need to turn in the anti-clockwise direction to face the bank?

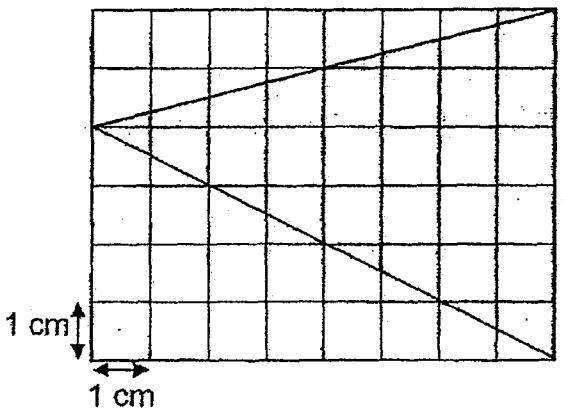


Ans : _____ °

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3. What is the area of the shaded triangle below?

Do not write in this space



Ans : _____ cm^2

4. Ann, Jo and Sue shared a packet of keychains in the ratio 5 : 3 : 8.

Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (√) in the correct column.

Statement	True	False	Not possible to tell
The difference between the number of Sue's keychains and the number of Ann's keychains is the same as the number of Jo's keychains.			
Jo and Ann have 8 keychains altogether.			

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5. The table below shows the opening hours of a clinic.

Do not write in this space

Opening Hours
8.30 a.m. – 12.45 p.m
2.00 p.m. – 4.30 p.m.
7.00 p.m. – 8.30 p.m.

How long is the clinic open? Leave your answer in hours and minutes.

Ans : _____ h _____ min

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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 the brackets ( ) at the end of each question or part-question. (45 marks)

Do not write in this space

6. Mrs Bala bought a packet of candies. She gave each of her 25 pupils an equal number of candies and had 55 candies left. Mrs Mano bought the same packet of candies for her 33 pupils. She gave each pupil 10 candies and had 50 candies left. How many candies did Mrs Bala give each of her pupils?

Ans : _____ [3]

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7. Yen spent an equal amount of money on 8 mugs and 6 bowls. Each bowl cost $22.20. How much less did each mug cost than each bowl?

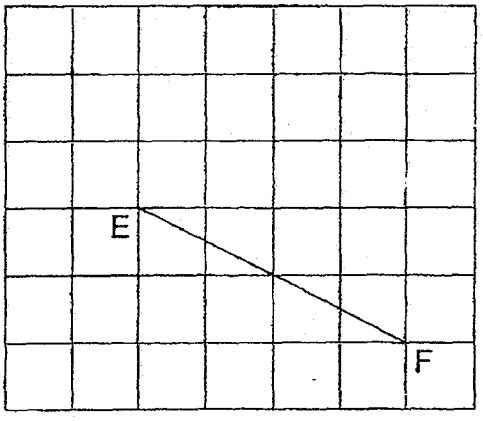
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Ans : _____ [3]

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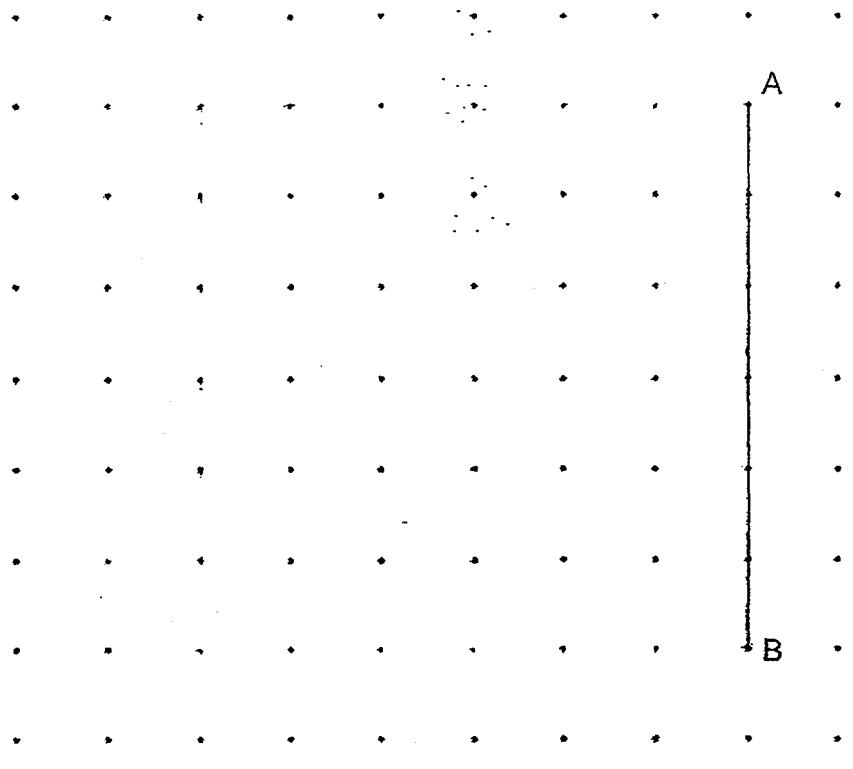
8. (a) Use a ruler and a set-square to draw a line GH which is parallel to line EF below.

Do not write in this space



[1]

(b) Draw and complete a square ABCD from the given line AB.
Label the square ABCD.



[2]

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9. Si Yun paid a total amount of $198.70 for 2 similar dresses and 4 similar pairs of shorts. Each dress cost $38.60 more than each pair of shorts. How much did Si Yun pay for each pair of shorts?

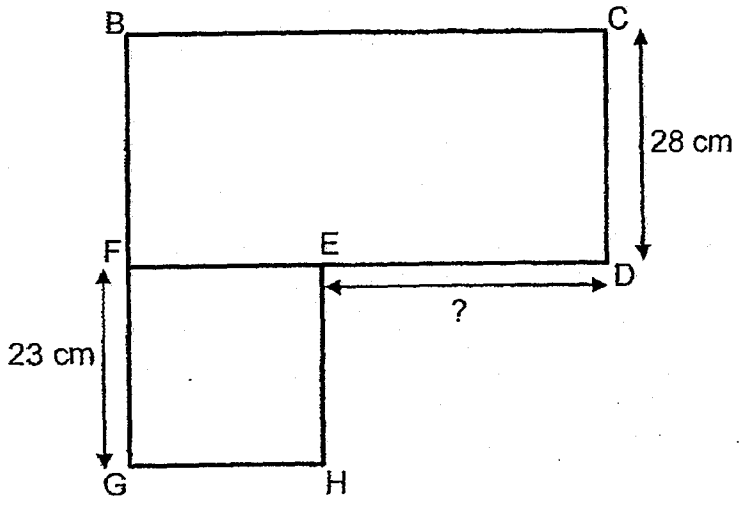
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Ans : _____ [3]

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10. The figure below is made up of a rectangle BCDF and a square FGHE.
The area of the figure is 2097 cm². What is the length of ED?

Do not write in this space



Ans : _____ [3]

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11. The ratio of the number of mangoes to the number of pears was 6 : 5 at first. There were 89 fewer pears than mangoes. 28 mangoes turned bad. How many mangoes were there in the end?

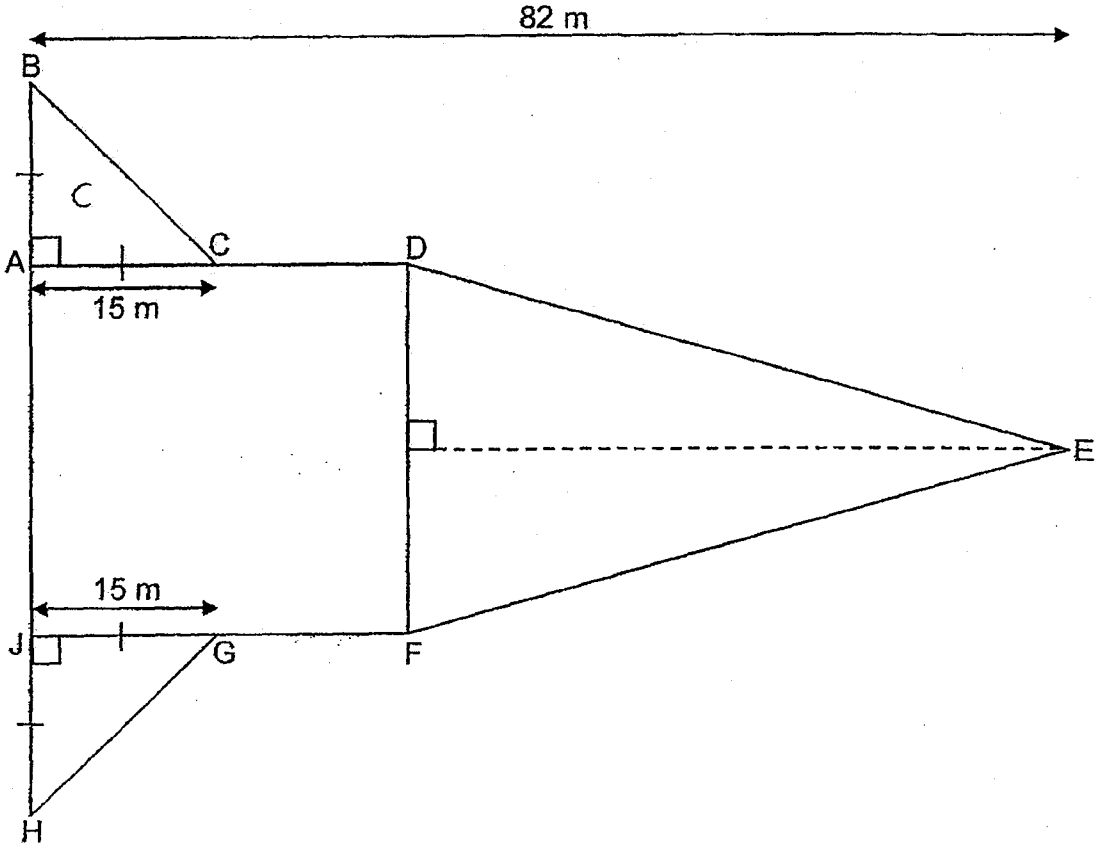
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Ans : _____ [3]

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12. The figure below is made up of 3 triangles and a square. The length of AD is two times of the length of AC. What is the area of the whole figure?

Do not write in this space



Ans : _____ [4]

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13. 2 ℓ 40 ml of water can fill exactly 3 similar jugs or 2 similar kettles.

Do not write in this space

(a) When each jug is completely filled, how much water can it hold? Leave your answer in ml.

(b) When 3 such kettles are completely filled, water from the 3 kettles is poured into 18 glasses. Each glass contains 150 ml of water. How much water is left in the 3 kettles?

Ans : (a) _____ [1]

(b) _____ [3]

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14. A box $\frac{3}{8}$ filled with beans has a total mass of $5\frac{3}{4}$ kg. When the same box is completely filled with beans, the total mass is $13\frac{7}{10}$ kg. What is the mass of the box when it is empty? Leave your answer in kg.

Do not write in this space

Ans : _____ [4]

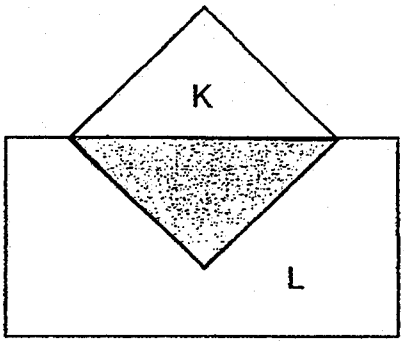
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15. Square K and Rectangle L overlap to form the figure below. The ratio of the area of the shaded part to the area of Square K to the area of Rectangle L is 1 : 2 : 5. The area of Rectangle L is 105 cm².

Do not write in this space

(a) Find the area of the shaded part.

(b) Find the area of the whole figure.



Ans : (a) _____ [2]

(b) _____ [3]

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16. Howard used grey and white squares to make figures that form a pattern.

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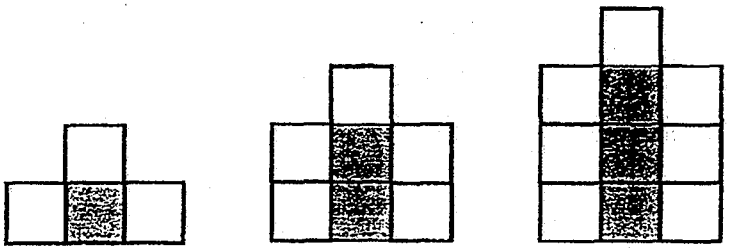


Figure 1 Figure 2 Figure 3

Figure	Number of grey squares	Number of white squares	Total number of squares
1	1	3	4
2	2	5	7
3	3	7	10
4	_____	9	_____

[1]

(a) Fill in the missing numbers in the table above.

(b) Find the total number of squares in Figure 11.

(c) A figure number had 52 squares altogether. How many white squares were there in this figure number?

Ans : (b) _____ [2]

(c) _____ [2]

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17. A group of pupils learnt to play musical instruments during Passion Pursuit.

$\frac{2}{5}$ of them learnt to play the guitar. $\frac{1}{4}$ of the rest of the pupils learnt to play the drum. All the remaining pupils learnt to play the recorder. A total of 255 pupils learnt to play the guitar and the recorder.

(a) What fraction of the group of pupils learnt to play the recorder?

(b) How many pupils were there in the group?

Do not write in this space

Ans : (a) _____ [2]

(b) _____ [3]

End of Paper

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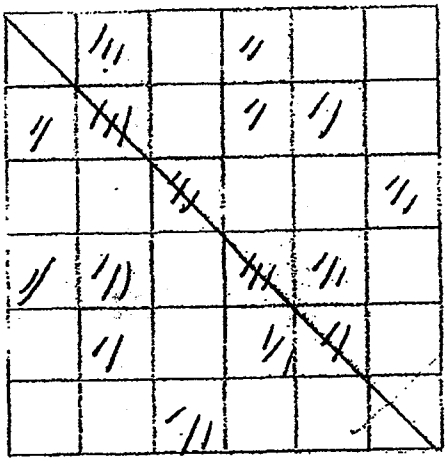
SCHOOL : CHIJ ST PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2019 SA1

PAPER 1
BOOKLET A

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

BOOKLET B

Q16. 54
Q17. 23°
Q18. $3\frac{1}{7}$
Q19. 9.84
Q20. $2.50
Q21. 14, 6, 3, 21, 42
Q22. 33 : 26
Q23. 42 : 17 : 17
Q24. $288cm^2$
Q25. 24 cm
Q26. 132
Q27.



Q28. $60
Q29. 22
Q30. 141 coins

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PAPER 2

Q1. $456 \div 24 = 19$
$19 \times \$7 = \$133$

Q2. $7 \times 45° = 315°$

Q3. $\frac{1}{2} \times 6 \times 8 = 24\text{cm}^2$

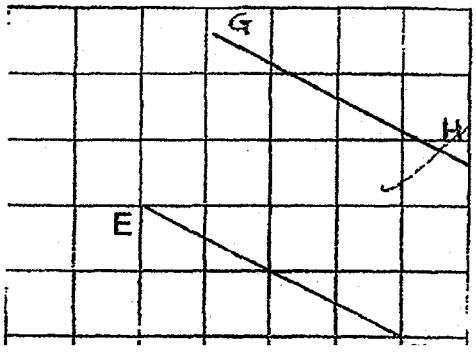
Q4. **True; Not possible to tell**

Q5. **From 8.30 a.m. to 12.45 p.m. → 4h 15min = 255min**
From 2.00 p.m. to 4.30 p.m. → 2h 30min = 150min
From 7.00p.m. to 8.30p.m. → 1h 30min = 90min
$255 + 150 + 90 = 495\text{min}$
$495\text{min} = 8\text{h } 15\text{min}$

Q6. $33 \times 10 = 330$
$330 + 50 = 380$
$380 - 55 = 325$
$325 \div 25 = 13$

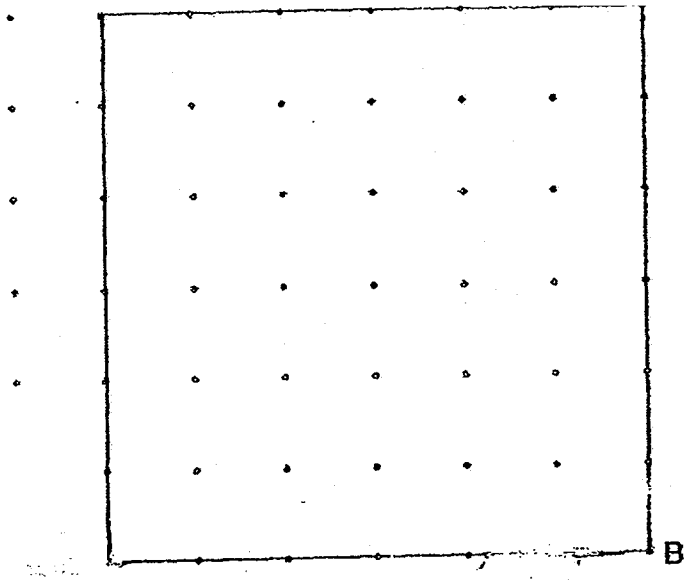
Q7. $6 \times \$22.20 = \$133.20$
$\$133.20 \div 8 = \$16.65$
$\$22.20 - \$16.65 = \$5.55$

Q8. **(a)**



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(b)



Q9. $\$38.60 \times 2 = \$77.20$
$\$198.80 - \$77.20 = \$121.50$
$\$121.50 \div 6 = \$20.25$

Q10. $23 \times 23 = 529$
$2097 - 529 = 1568$
$1568 \div 28 = 56$
$56 - 23 = 33\text{cm}$

Q11. $1u \rightarrow 89$
$6u \rightarrow 89 \times 6 = 534$
$534 - 28 = 506$

Q12. Sum of areas of triangles ABC and HJG $\rightarrow 2 \times \left(\frac{1}{2} \times 15 \times 15\right) = 225\text{cm}^2$
Area of square ADFJ $\rightarrow 30 \times 30 = 900\text{cm}^2$
Area of triangle DEF $\rightarrow \frac{1}{2} \times 30 \times 52 = 780\text{cm}^2$
$225 + 900 + 780 = 1905\text{cm}^2$

Q13. (a) $2l\,40ml = 2040ml$
$2040 \div 3 = 680ml$

(b) $2040 \times \frac{3}{2} = 3060ml$
$18 \times 150 = 2700ml$
$3060 - 2700 = 360ml$

Q14. $13\frac{7}{10} - 5\frac{3}{4} = 7\frac{19}{20}$
$7\frac{19}{20} \div 5 = 1\frac{59}{100}$
$1\frac{59}{100} \times 3 = 4\frac{77}{100}$
$5\frac{3}{4} - 4\frac{77}{100} = \frac{49}{50}$

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Q15. **(a)** $105 \div 5 = 21\text{cm}^2$

(b) $105 + 21 = 126\text{cm}^2$

Q16. **(a)** 4; 13

(b) $4 + (3 \times 10) = 34$

(c) $52 - 4 = 48$

$48 \div 3 = 16$

$16 + 1 = 17$

$52 - 17 = 35$

Q17. **(a)** $\frac{3}{4} \times \frac{3}{5} = \frac{9}{20}$

(b) $\frac{2}{5} + \frac{9}{20} = \frac{17}{20}$

$\frac{17}{20} \rightarrow 255$

$\frac{1}{20} \rightarrow 255 \div 17 = 15$

$15 \times 20 = 300$

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