HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 2
MATHEMATICS
PRIMARY 4

Name: _____ (  )

Parent's Signature

Class: Primary 4 _____

_____

Duration of Paper: 1 h 45 min

Marks:

| | |
|---|---|
| Section A (MCQ) | 20 |
| Section B (Open-Ended) | 50 |
| Section C (Problem Sums) | 30 |
| **Total** | 100 |

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**Section A: Multiple Choice Questions (10 x 2 marks = 20 marks)**

**Read each question carefully. For each question, 4 options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals on the Optical Answer Sheet.**

1. In which of the following numbers does the digit 7 stand for 70?

   (1) 5807
   (2) 5870
   (3) 7085
   (4) 8705 ( )

2. In which of the following are the numbers arranged from the smallest to the greatest?

| | *(smallest)* | | *(greatest)* | |
|---|---|---|---|---|
| (1) | 3026 , | 3602 , | 3206 | |
| (2) | 3602 , | 3026 , | 3206 | |
| (3) | 3026 , | 3206 , | 3602 | |
| (4) | 3602 , | 3206 , | 3026 | ( ) |

3. How many one-fifths are there in 2 wholes?

   (1) $\frac{2}{5}$
   (2) $2\frac{1}{2}$
   (3) 5
   (4) 10

   ( )



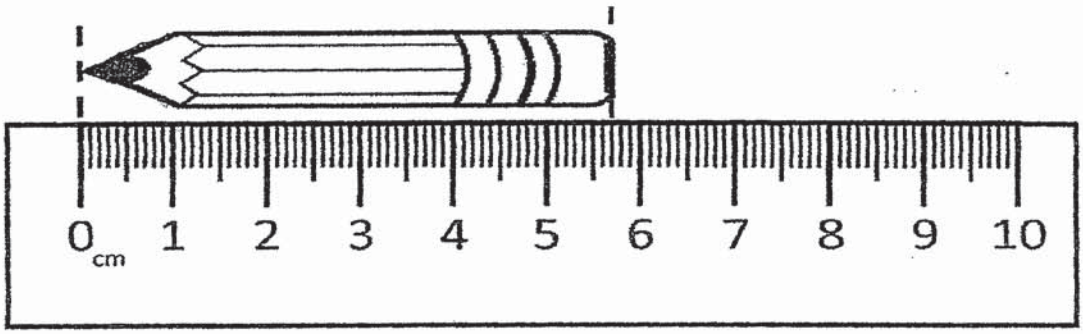
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4. Express $\frac{49}{100}$ as a decimal.

(1) 0.409
(2) 0.049
(3) 0.49
(4) 4.09 ( )

5. In the figure below, what is the length of the pencil in cm?




(1) 5.2 cm
(2) 5.7 cm
(3) 6.3 cm
(4) 6.7 cm ( )

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6. Which of the following figures has perpendicular lines?

(1) M

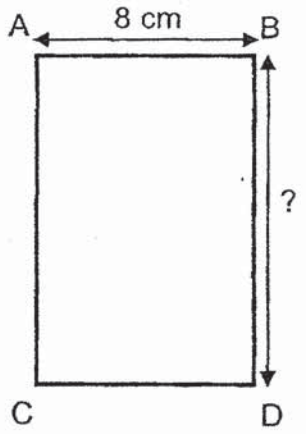
(2) A

(3) Z

(4) E

( )

7. The perimeter of rectangle ABCD is 40 cm.
Given that AB is 8 cm, find the length of BD.



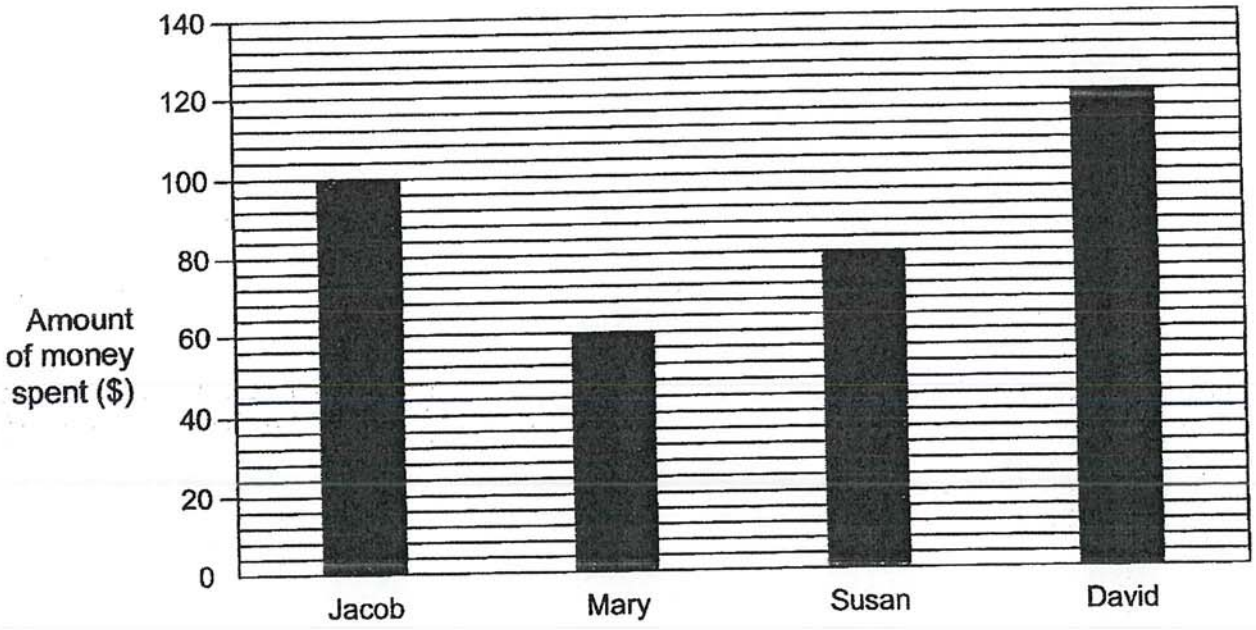

(1) 5 cm
(2) 12 cm
(3) 16 cm
(4) 32 cm

( )


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8. The bar graph below shows the amount of money spent by 4 children.




Name the child/children who spent more than $80?

(1) Susan
(2) Mary and Susan
(3) Jacob and David
(4) Susan, Jacob and David ( )

9. Marie had 270 stickers. She gave $\frac{3}{10}$ of her stickers to her sister.
How many ~~stamps~~ stickers did Marie have left?

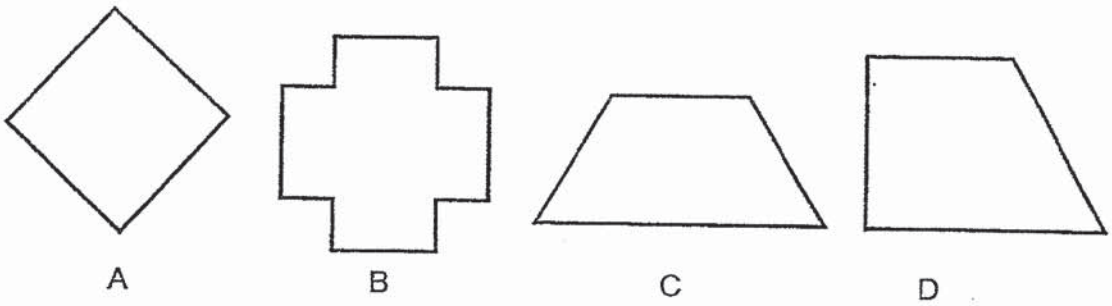
(1) 27
(2) 81
(3) 90
(4) 189 ( )



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10. Which of the following figure(s) has/have at least two pairs of parallel lines?



A B C D

(1) A and B
(2) A and C
(3) B and D
(4) C and D

(  )

(Go on to Section B)



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**Section B: Open-Ended Questions (25 x 2 marks = 50 marks)**
**Read the questions carefully and write the correct answer in the blanks provided.**
**Show all workings clearly.**

11. Write forty-five thousand and eleven in figures.

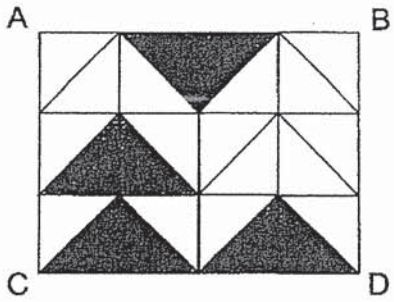
12. Find the product of 1982 and 6.

13. What is the remainder when 2064 is divided by 7?


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14. In the figure below, rectangle ABCD is made up of 12 unit squares.
What fraction of rectangle ABCD is shaded?




15. $\frac{2}{5} + \frac{1}{10} =$ _____

16. Write $\frac{15}{7}$ as a mixed number.



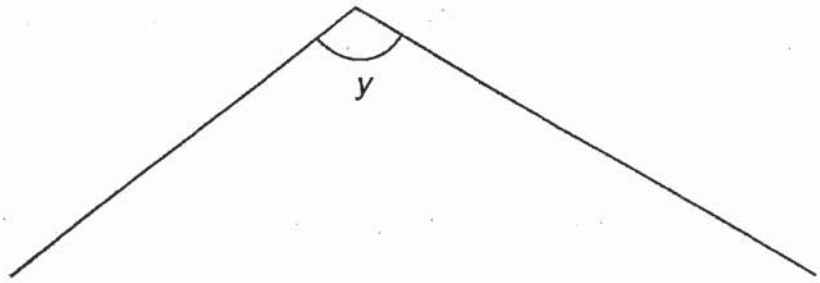
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17. Write 7 thousandths as a decimal.

18. Round 17.88 to the nearest whole number.

19. Measure and write down the size of $\angle y$.




°



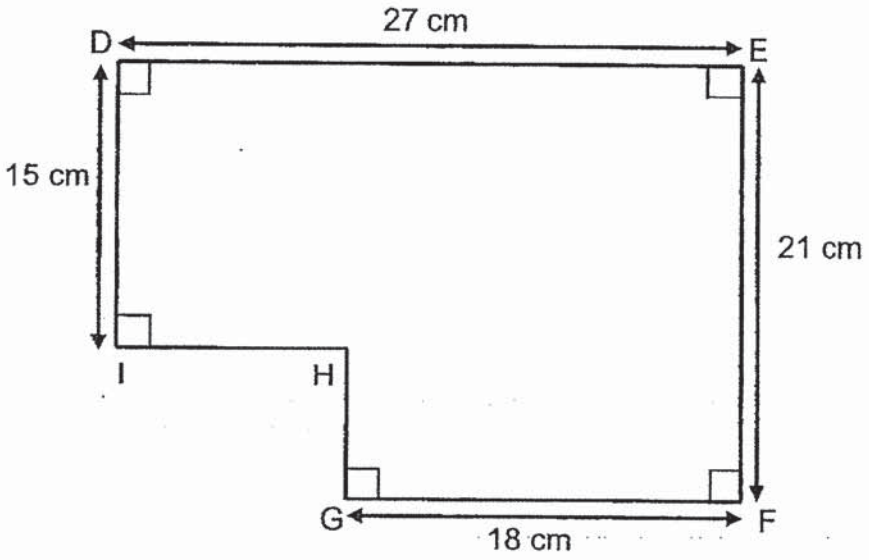
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20. Study the number pattern below. What is the missing number in the box?

2834, 2709, 2584, 2459, [ ? ], 2209

21. Find the perimeter of the figure below.



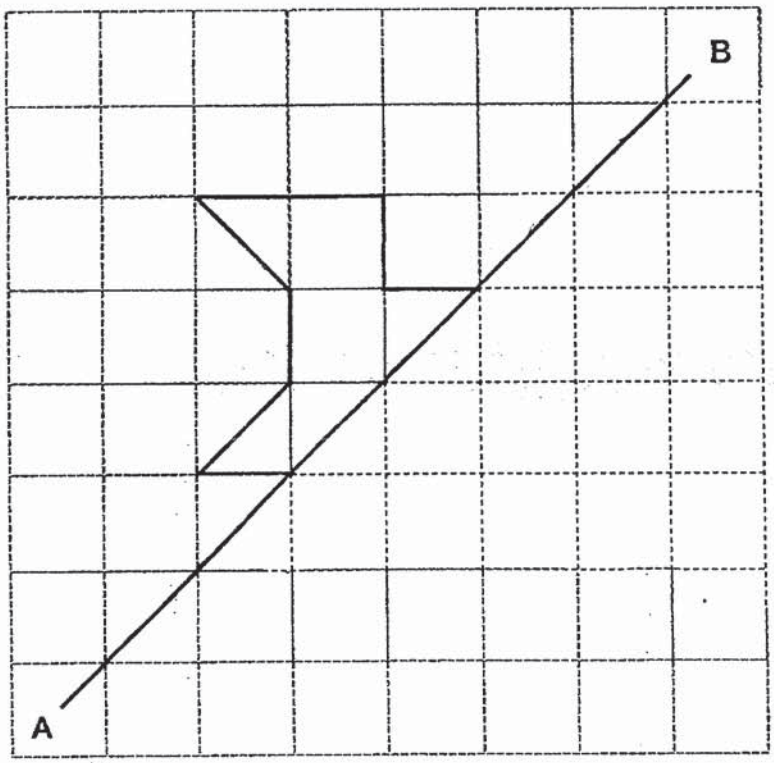

cm



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22. Complete the symmetric figure below with AB as the line of symmetry.

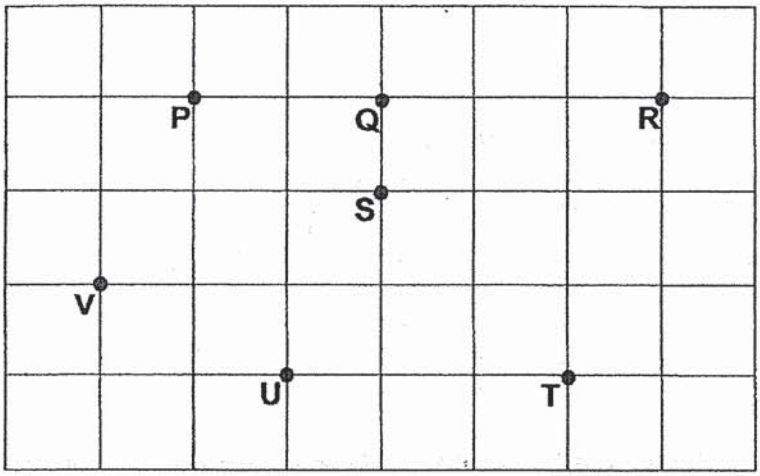





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23. Study the square grid and answer the questions.







In the square grid above,

(a) point Q is west of point _____

(b) point _____ is south-east of point S.

a)

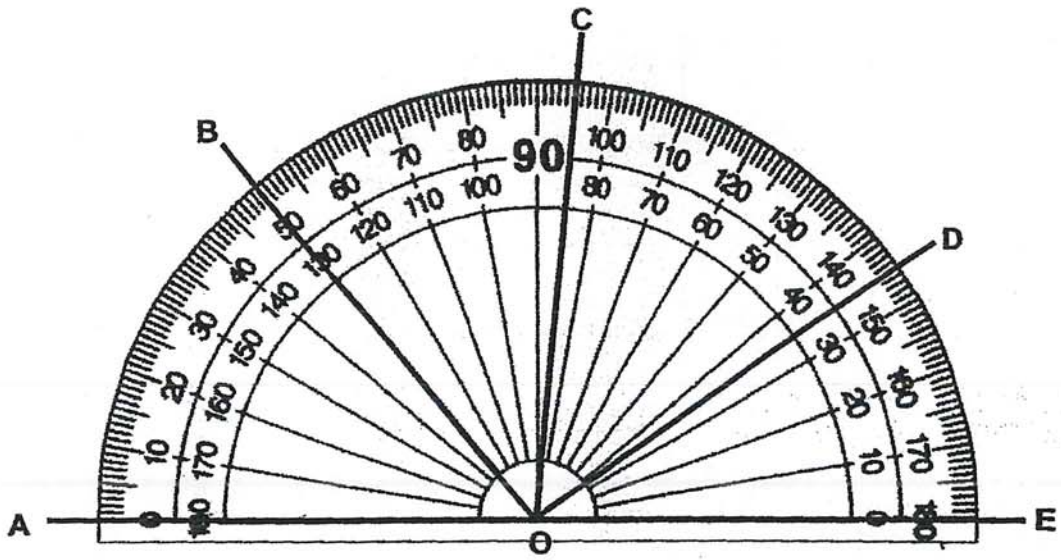
b)



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24. Find a pair of angles that add up to 80°.




Ans: ∠ _____ and ∠ _____

25. Alina drank 0.56ℓ of milk on Friday. She drank 0.18ℓ less milk on Saturday than on Friday. How many litres of milk did she drink on both days?

ℓ

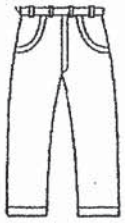

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26. The table below shows the number of cupcakes Mrs Tan baked from Wednesday to Friday.

| Days | Number of cupcakes |
|---|---|
| Wednesday | 260 |
| Thursday | 300 |
| Friday | ? |

Mrs Tan baked a total of 800 cupcakes from Wednesday to Friday.
How many cupcakes did she bake on Friday?

27. A pair of pants costs 3 times as much as a T-shirt.
The total cost of the pair of pants and the T-shirt is $86.40.
How much does the T-shirt cost?





$



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28. Jane took 1 h 35 min to complete her homework.
She completed her homework at 14 30.
What time did Jane start doing her homework?
Express your answer in the 24-hour clock.

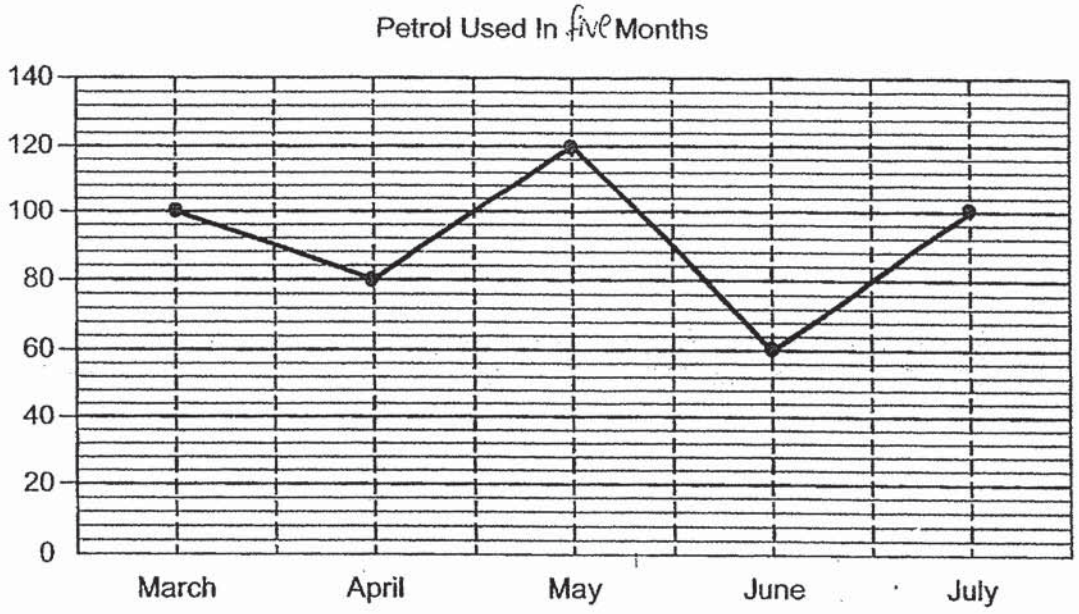


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Use the graph below to answer Question 29 and 30.

The line graph shows the amount of petrol that Sally's mother used from March to July.




29. How much more petrol did Sally's mother use in May than in June?

ℓ

30. How much petrol did Sally's mother use in total from March to July?

ℓ



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31. Nancy thought of two whole numbers between 15 and 40. Both numbers are multiples of 3. They are also factors of 36. What were the two whole numbers Nancy thought of?

_____ and _____

32. Sarah had some cupcakes. She gave $\frac{2}{9}$ of her cupcakes to her friend and 6 cupcakes to her neighbour. She then had 15 cupcakes left.
How many cupcakes did Sarah have at first?



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33. Mrs Tan had 2 pieces of ribbon. One of the ribbon was 3 m long and the other ribbon was 1.2 m long. After using some of the ribbon to decorate her room, she had 0.8 m of ribbon left. Find the length of ribbon Mrs Tan used.

m

34. Mr Toh had 14.63 kg of flour. He packed all the flour into 3 identical bottles and 2 identical jars. Each jar contained twice as much flour as each bottle. What was the mass of flour in one such bottle?

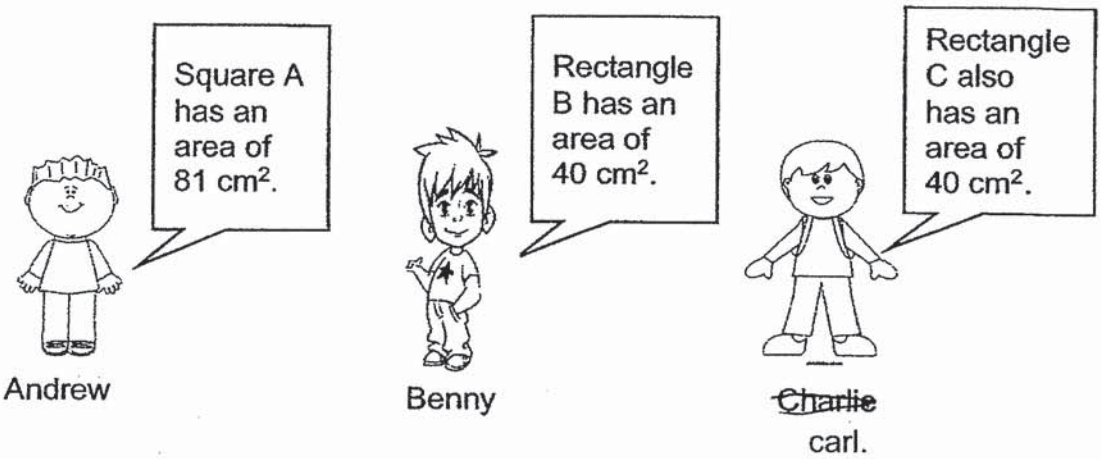
kg



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35. Read the following statements made by Andrew, Benny and Carl.
Study their statements and answer question 35 (a) and (b).




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 |
|---|---|---|---|---|
| a) | Square A has a perimeter of 36 cm. | | | |
| b) | Rectangles B and C have the same perimeter. | | | |



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NAME: _____ (  ) CLASS: Primary 4 _____

**Section C: Problem Sums (30 marks)**

**Read the following problem sums carefully. You may draw models to help you. Show all workings clearly and write your answers in the spaces provided. The number of marks allocated is shown in brackets [ ] at the end of each question.**

36. Christine saved a total of $105 in three days from Monday to Wednesday.
She saved the same amount of money on Monday and Tuesday.
She saved four times as much money on Wednesday than on Tuesday.
How much money did she save in total on Monday and Tuesday?

Ans: _____ [3m]



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37. At first, Aaron and Benny had 428 stamps altogether. After Aaron gave 68 stamps to Benny, they had the same number of stamps. How many stamps did Aaron have at first?

Ans: _____ [3m]



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38. Mrs Chan needs 2.45 kg of butter and 1.23 kg of sugar to bake a cake.

a) Find the total mass of butter needed to bake 8 such cakes.

b) Sugar is sold in bags of 3 kg each. What is the least number of bags of sugar Mrs Chan needs to buy to bake 8 such cakes?

Ans: a) _____ [1m]

b) _____ [3m]



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39. Mr Lee took a bus from Singapore to Johor Bahru and then to Kuala Lumpur.

a) He left Singapore at 7.30 a.m. and reached Johor Bahru at 8.15 a.m.
How long was the bus ride from Singapore to Johor Bahru?

b) Mr Lee left Johor Bahru at 9.45 a.m. and reached Kuala Lumpur 6 h 45 min later. What time did he arrive at Kuala Lumpur?
Express your answer in the 12-hour clock.

Ans: a) _____ [2m]

b) _____ [2m]


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40. Damian bought some fruits. $\frac{1}{5}$ of them were pears, $\frac{2}{3}$ of them were apples and the rest were oranges. He bought 1176 more apples than oranges.

How many fruits did Damian buy in total?

Ans: _____ [4m]



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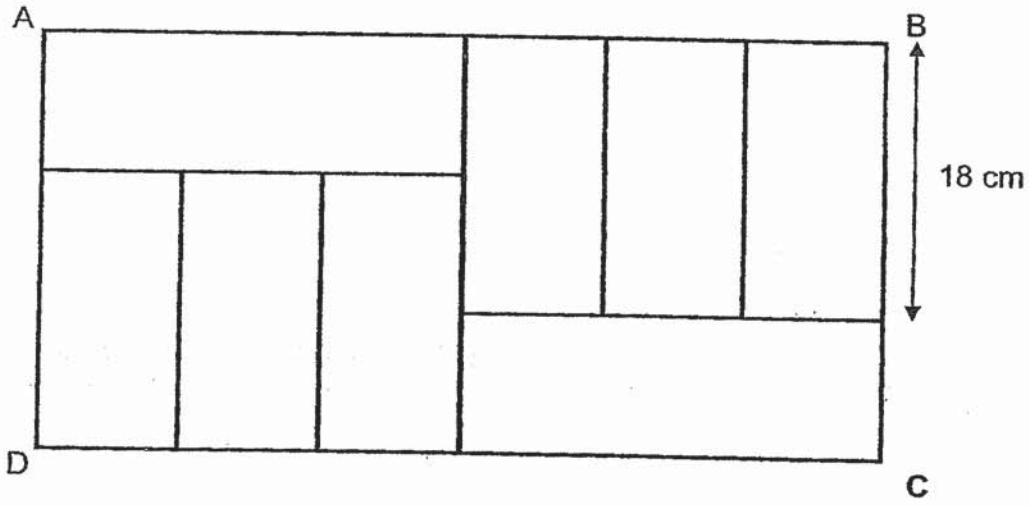
41. At first, Adeline had $1196 and Benny had $398. Each of them then spent the same amount of money on books. In the end, Adeline had 4 times as much money as Benny. How much money did each of them spend on books?

Ans: _____ [4m]


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42. Figure ABCD is made up of eight identical rectangles.
Each rectangle has a length of 18 cm.




a) Find the perimeter of Figure ABCD.

b) Find the area of Figure ABCD.

Ans: a) _____ [2m]

b) _____ [2m]

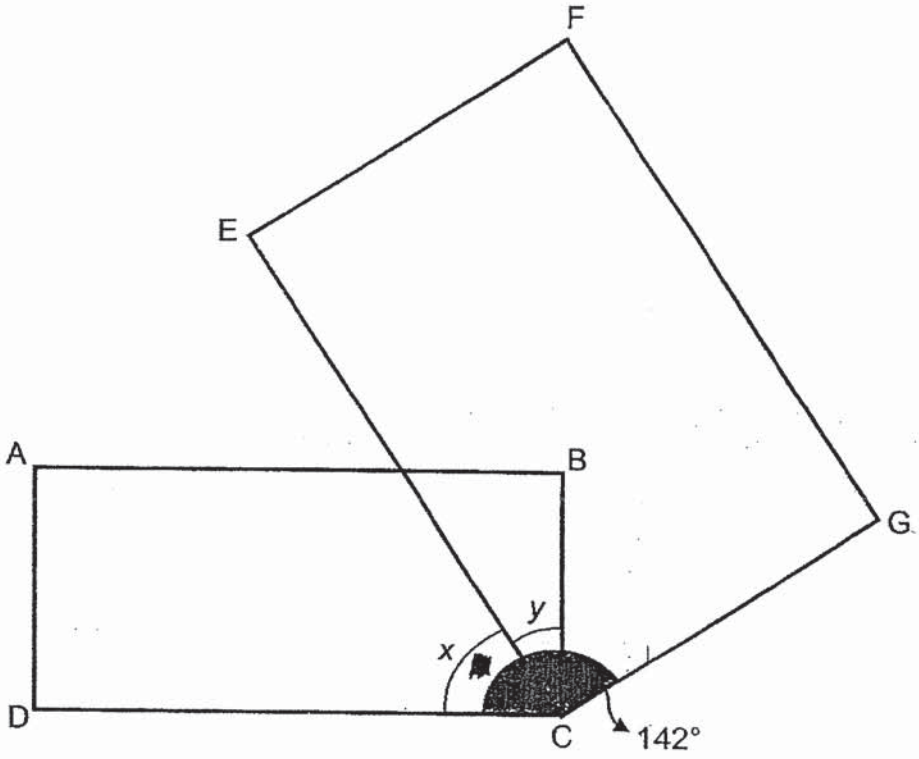

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43. The figure below is made up of 2 rectangles, ABCD and EFGC.
Given that ∠DCG is 142°,

a) find ∠$x$.

b) find ∠$y$.




Ans: a)_____ [2m]

b)_____ [2m]

**- END OF PAPER -**

Setters: Mdm Yvonne Lee and Ms Rajesheela



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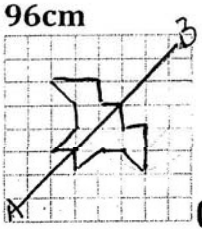
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# ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL EXAMINATION 2

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 4 | 3 | 2 | 4 | 2 | 3 | 4 | 1 |

Q11. 45011
Q12. 11892
Q13. 6
Q14. $\frac{8}{24}$
Q15. $\frac{1}{2}$
Q16. $2\frac{1}{7}$
Q17. 0.007
Q18. 18
Q19. 110°
Q20. 2334
Q21. 96cm




Q22. (green ink)
Q23. (a) R
(b) T
Q24. ∠DOF AND ∠BOC
Q25. 94ℓ
Q26. 40 cupcakes
Q27. $21.60
Q28. 1225
Q29. 60ℓ
Q30. 460ℓ
Q31. 18 and 36
Q32. 27 cupcakes
Q33. 3.40m
Q34. 2.09kg
Q35. (a) True
(b) Not possible to tell
Q36. $35
Q37. 282 stamps
Q38. (a) 19.60kg
(b) 4 bags
Q39. (a) 45 mins
(b) 4.30 p.m.
Q40. 2205 fruits
Q41. $132
Q42. (a) 120cm
(b) 864cm²
Q43. (a) 52°
(b) 38°

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