HENRY PARK PRIMARY SCHOOL
2019 SEMESTRAL EXAMINATION 1
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. $78\,069 = 70\,000 + \boxed{\ ?\ } + 60 + 9$

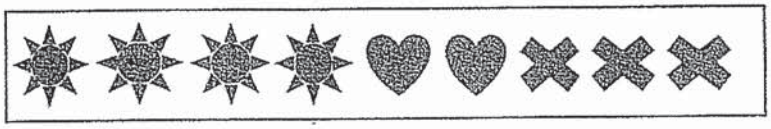
What is the missing number in the box?

(1) 8000
(2) 800
(3) 80
(4) 8 ( )

2. What is the value of 3874×4?

(1) 15 286
(2) 15 296
(3) 15 486
(4) 15 496 ( )

3. What fraction of the figures are made up of crosses ( )?



(1) $\frac{1}{2}$
(2) $\frac{1}{3}$
(3) $\frac{2}{9}$
(4) $\frac{4}{9}$ ( )

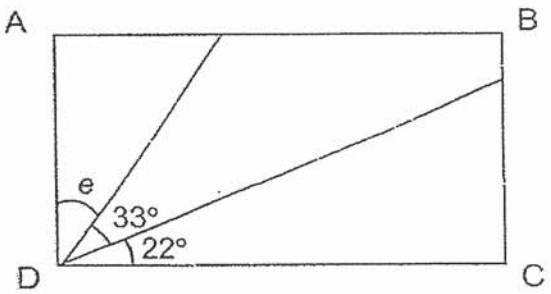
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4. How many eighths are there in $3\frac{5}{8}$?

(1) 5
(2) 8
(3) 24
(4) 29

( )

5. ABCD is a rectangle. What is $\angle e$?

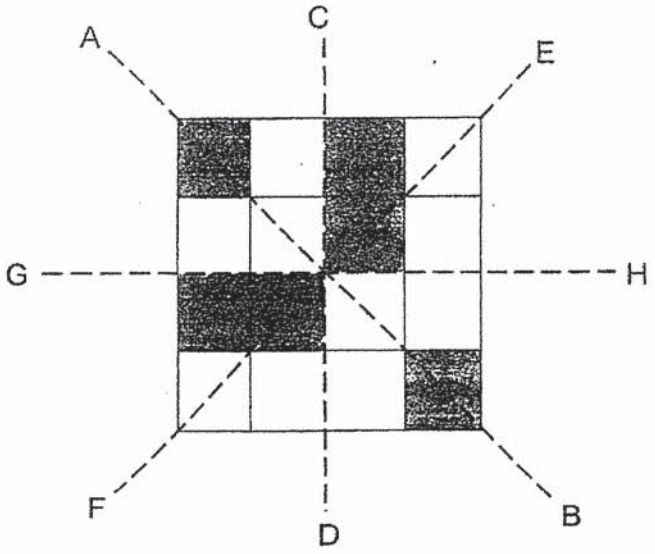


(1) 35°
(2) 55°
(3) 57°
(4) 68°

( )

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6. Which of the following lines is the line of symmetry for the figure shown below?



(1) AB
(2) CD
(3) EF
(4) GH ( )

7. A number when rounded to the nearest hundred is 95 000.
Which of the following could the number be?

(1) 94 721
(2) 94 993
(3) 95 059
(4) 95 090 ( )

8. Sarah chose a number and correctly divided it by 6. She obtained a quotient of 17 and a remainder of 4. What is the number Sarah chose?

(1) 74
(2) 98
(3) 102
(4) 106 ( )

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9. Which of the fractions given below is smaller than $\frac{3}{5}$?

(1) $\frac{2}{3}$

(2) $\frac{5}{8}$

(3) $\frac{4}{9}$

(4) $\frac{7}{11}$

( )

10. Bala has a total of 40 blue, red and yellow marbles. He has 10 blue marbles and an equal number of red and yellow marbles.
What fraction of his marbles is yellow?

(1) $\frac{1}{4}$

(2) $\frac{3}{4}$

(3) $\frac{3}{8}$

(4) $\frac{5}{8}$

( )

(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 fifty-six thousand and four in numerals.

12. Jane used all the digits below to form a 5-digit number.
What is the greatest even number Jane can form?

5	4	1	8	7

13. How many 20-cent coins are needed to make $23?

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14. Find the product of 638 and 20.

15. Find the quotient and remainder when 3694 is divided by 6.

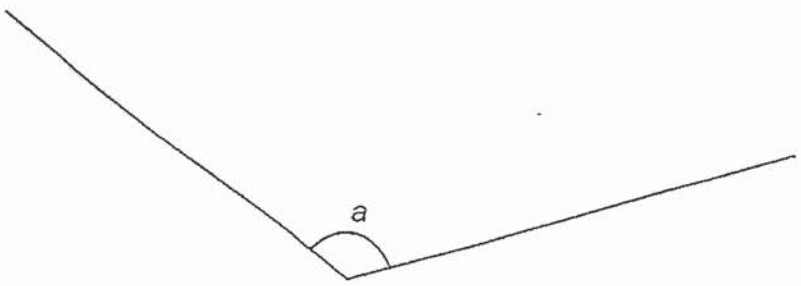
16. List the common multiples of 6 and 9 which are less than 50.

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17. Express $\frac{21}{6}$ as a mixed number in its simplest form.

18. What is the value of $3 + \frac{5}{12} + \frac{1}{6}$?

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

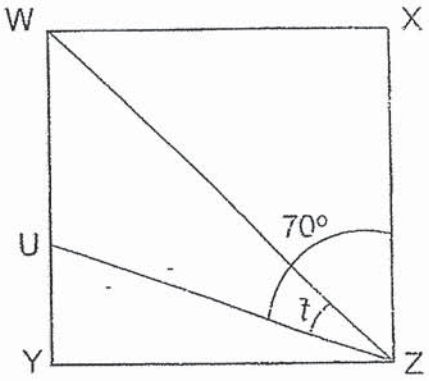


°

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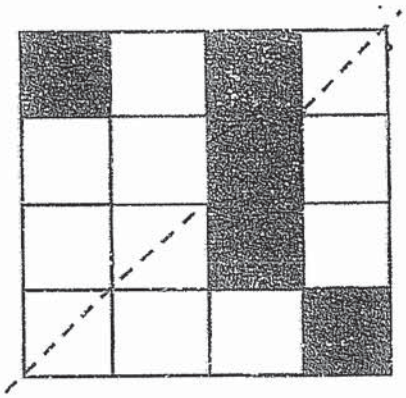
20. The figure below shows a square.

Given that $\angle UZX = 70°$. Find $\angle t$.



°

21. In the figure below, shade two more squares so that the figure is symmetrical.



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22. Jane cycled 3 km 29 m from her house to the market. She then cycled 1730 m from the market to the mall. What was the total distance Jane cycled? Express your answer in metres.

m

23. Charles had 261 cartons of drinks. He sold 84 cartons of drinks. Given that there were 45 cans of drinks in each carton, how many cans of drinks were left?

24. Arrange the following fractions from the greatest to the smallest.

$1\frac{7}{8}$, $\frac{11}{6}$, $1\frac{11}{12}$

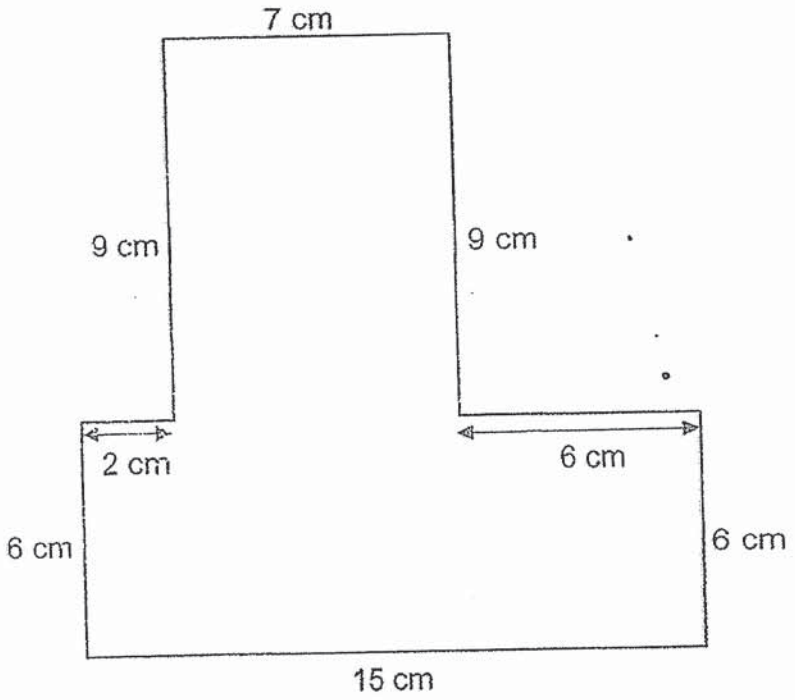
_____ , _____ , _____
greatest smallest

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25. Deric started playing computer games at 11.55 a.m. He stopped playing at 1.40 p.m. How long did he play computer games? Give your answer in minutes.

min

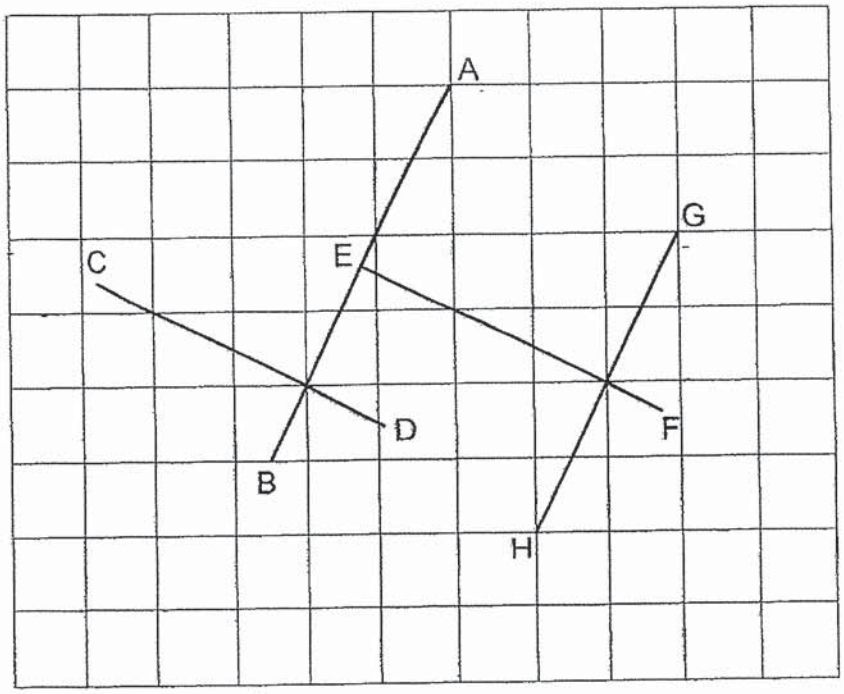
26. What is the perimeter of the figure shown below?



cm

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27. Gabriel drew four straight lines, AB, CD, EF and GH, as shown below.
Lines CD and EF are perpendicular to line AB.
Line GH is parallel to line AB.

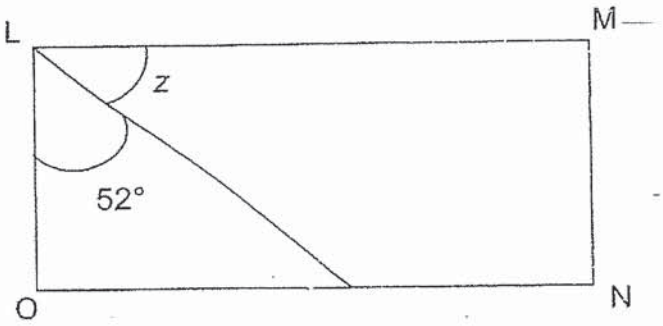


Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement		True	False	Not possible to tell
a)	Lines CD and EF are parallel to each other.			
b)	Lines GH and EF met and formed a right angle.			

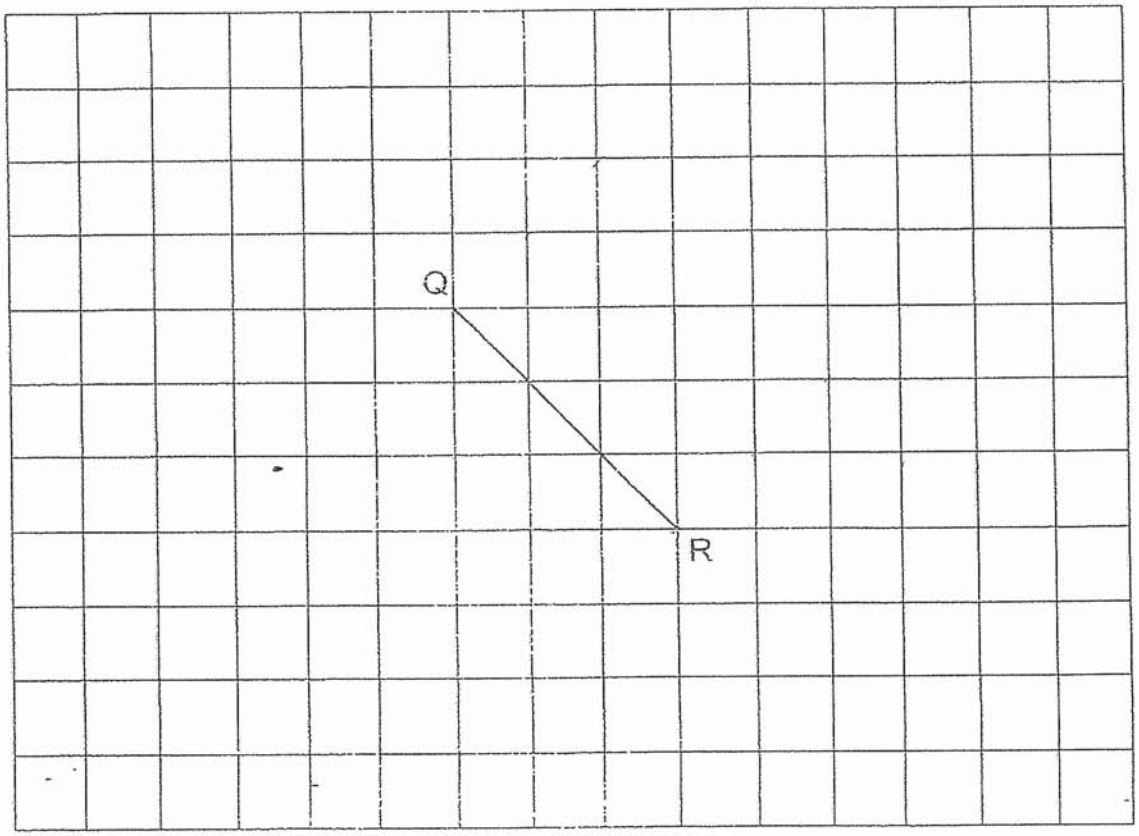
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28. The figure below shows a rectangle. Find $\angle z$.



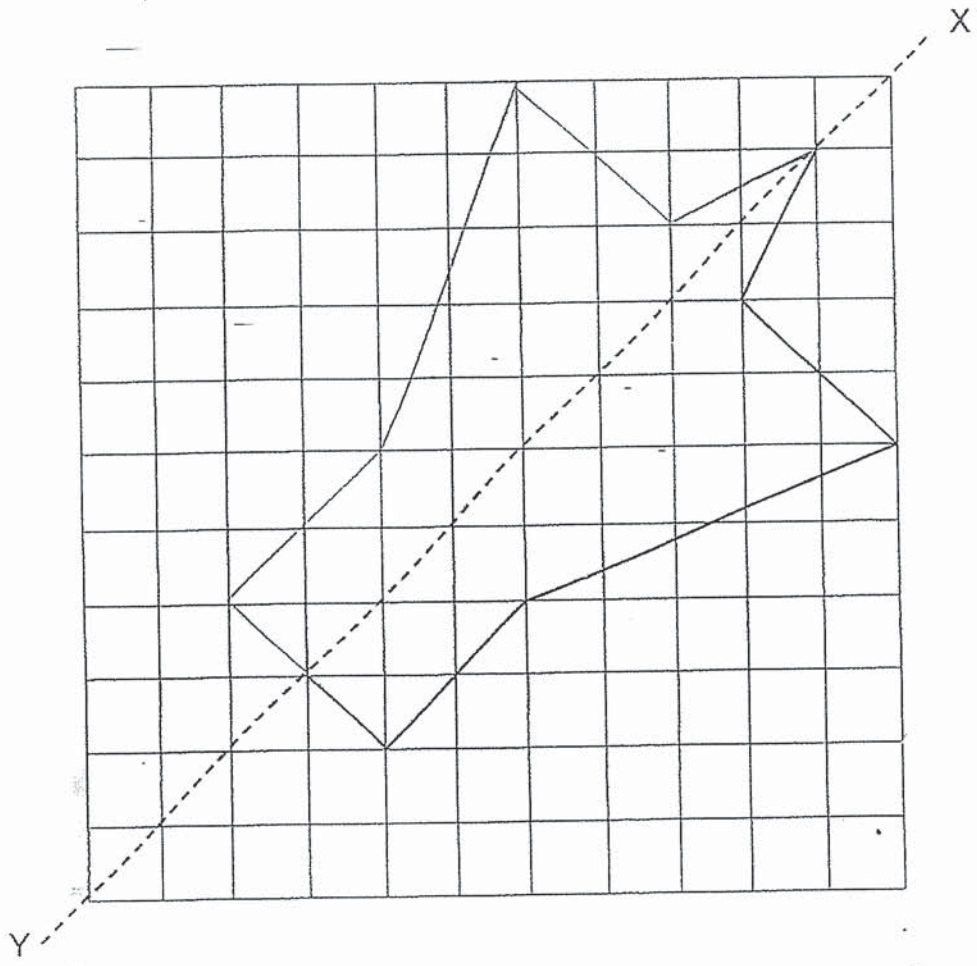
°

29. In the square grid below, QR is one of the sides of square QRST.
Complete the drawing of square QRST.



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30. Complete the symmetric figure below where XY is the line of symmetry.

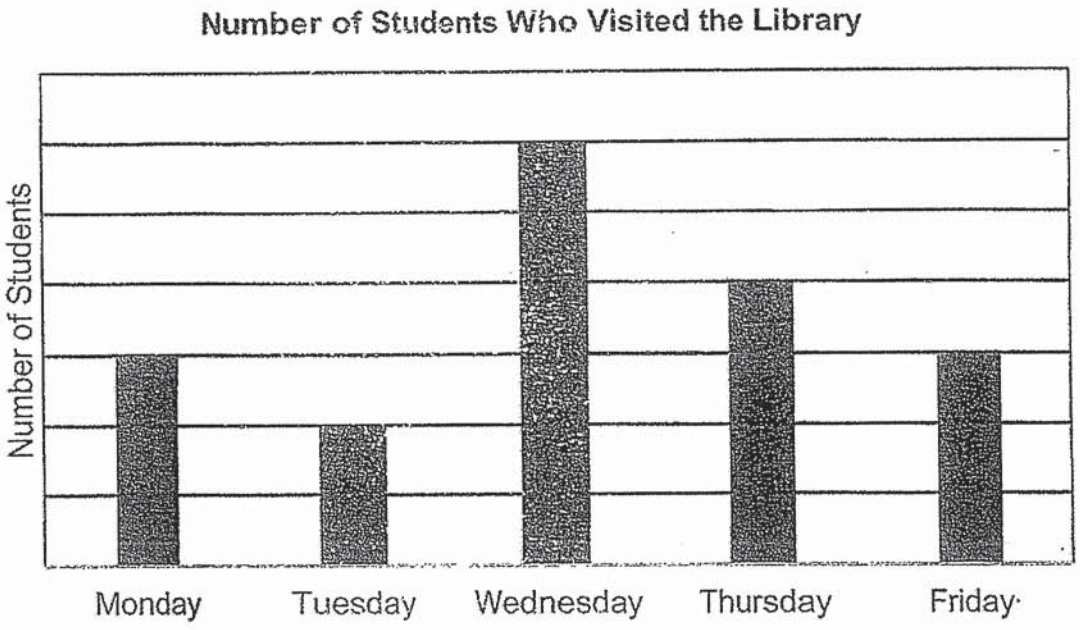


31. Julia bought 2440 g of flour. Peter bought 350 g less flour than Julia. How much flour did Julia and Peter buy altogether?

g

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32. The bar graph below shows the number of students who visited the library from Monday to Friday.



Given that 126 students visited the library on Thursday and Friday, how many students visited the library on Wednesday?

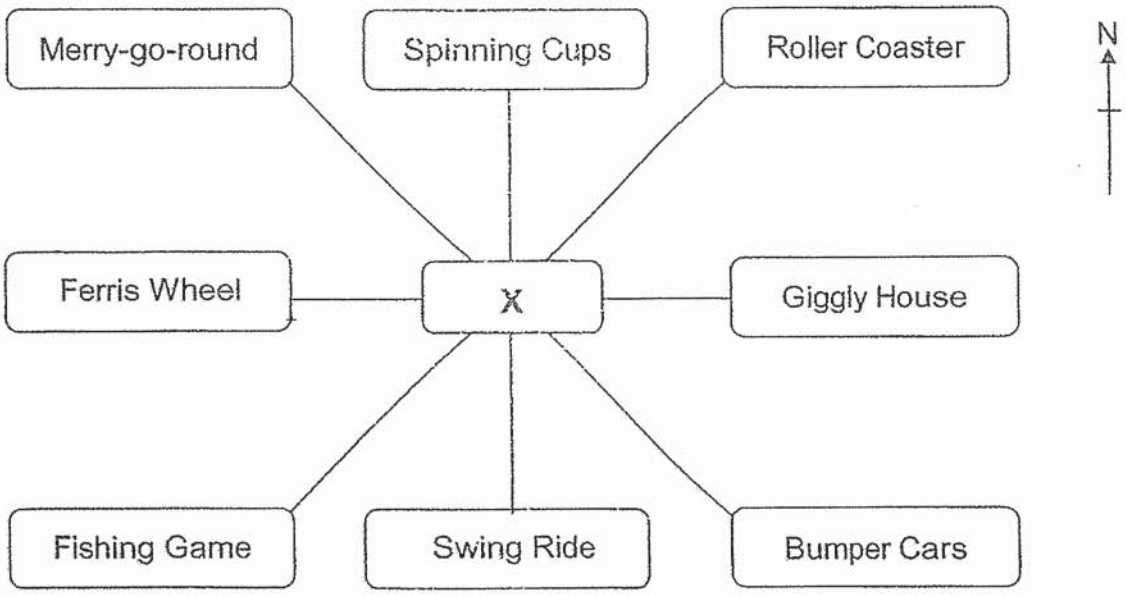
33. A number is a factor of 15. When 4 is added, the number becomes a multiple of 3. What is the number?

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34. For every 3 questions that are answered correctly in a quiz, a contestant will be awarded 7 points. How many questions must be answered correctly in order for the contestant to get a total of 84 points?

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35. Jason is in an amusement park. He is standing at the point marked X.
The figure below shows the locations of different attractions in the amusement park.



a) In which direction is the Fishing Game from Jason?

b) Jason was facing one of the attractions at first. After he made a 135° anti-clockwise turn, he faced the Ferris Wheel. Which attraction was Jason facing at first?

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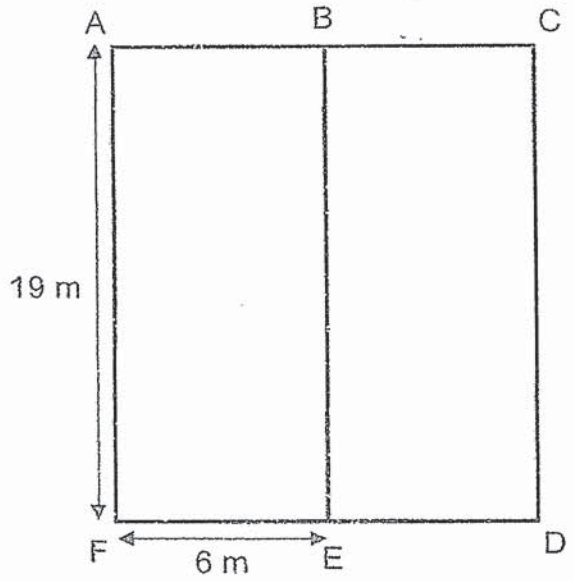
NAME: _____ CLASS: Primary 4 _____

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. The figure below is made up of two identical rectangles, ABEF and BCDE. AF is 19 m long and FE is 6 m long.

    a) Find the length of AC.
    b) Find the area of rectangle ACDF.



Ans: a) _____ [1m]

b) _____ [2m]

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37. Aminah bought two different items from a bookshop. She gave 4 five-dollar notes and 3 fifty-cent coins to the cashier. She received a change of $0.15. Which two items did she buy?

Item	Price
Crayons	$8.90
Pencil case	$9.95
Textbook	$11.50
T-shirt	$12.45

Ans: _____ and _____ [4m]

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38. Marie read a book for 1 hour 25 minutes. After reading the book, she did her homework for 50 minutes. She completed her homework at 5.50 p.m.

a) How long did Marie spend in total reading and doing her homework?

b) At what time did Marie start reading the book?

Ans: a) _____ [1m]

b) _____ [2m]

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39. Charlotte has some animals in her farm. $\frac{1}{3}$ of her animals are ducks. $\frac{1}{6}$ of them are sheep and $\frac{2}{9}$ of them are goats. The remaining 165 animals are cows.

How many animals does Charlotte have in her farm?

Ans: _____ [4m]

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40. Jennie mixed 320 ml of syrup and four times as much water to make orange drink.

a) How much orange drink did she make?

b) Jennie drank $\frac{1}{5}$ of her orange drink. How much orange drink did she drink?

Ans: a) _____ [2m]

b) _____ [2m]

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41. Mr Yap and Mr Lim had a total of 508 paintings. After Mr Yap gave Mr Lim 136 paintings, Mr Lim had thrice as many paintings as Mr Yap. How many paintings does Mr Lim have at first?

Ans: _____ [4m]

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42. Charlie, David and Elvin collected country erasers. Charlie had twice as many country erasers as David. David had 12 more country erasers than Elvin. Given that they had a total of 204 country erasers, how country erasers did Charlie have?

Ans: _____ [4m]

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43. $\frac{2}{9}$ of the buns in a bakery are chocolate buns. The remaining buns are strawberry buns and vanilla buns. Given that there are 753 strawberry buns and 689 vanilla buns, how many buns are there in the bakery?

Ans: _____ [4m]

- END OF PAPER -

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ANSWER KEY

YEAR : 2019
LEVEL : PRIMARY 4
SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : SEMESTRAL EXAMINATION 1

SECTION A

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

SECTION B

Q11 56004

Q12 87514

Q13 115

Q14 12760

Q15 615 R 4

Q16 18,36

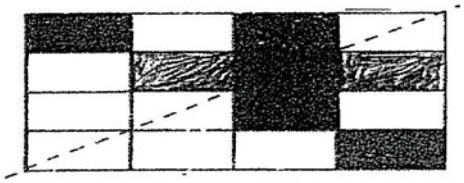
Q17 $3\frac{1}{2}$

Q18 $\frac{43}{12}$

Q19 127

Q20 25 25

Q21



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Q22 4759m

Q23 7965

Q24 $1\frac{11}{12}, 1\frac{7}{8}, \frac{11}{6}$

Q25 105 min

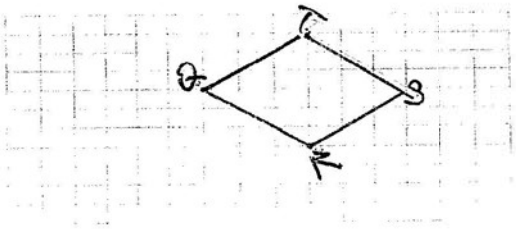
Q26 60cm

Q27 a)True

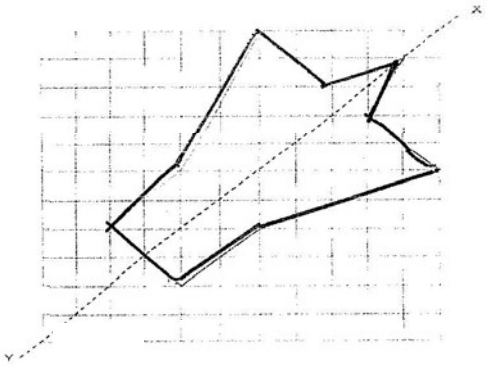
b)True

Q28 38^{o}

Q29



Q30



Q31 4530g

Q32 108

Q33 5

Q34 36

Q35 a)south-west

b)Roller coast

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SECTION C

Q36 a)12M

b)228M^2

Q37 T-shirt and Crayons

Q38 a)135 minutes

b)3.35pm

Q39 594

Q40 a)1600ml

b)320ml

Q41 245

Q42 108

Q43 1854

3

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