HENRY PARK PRIMARY SCHOOL
2014 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

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. 52 thousands and 3 tens is the same as _____.

   (1) 523
   (2) 5 230
   (3) 52 003
   (4) 52 030 ( )

2. Which of the following numbers when rounded off to the nearest ten becomes 72 600?

   (1) 72 544
   (2) 72 596
   (3) 72 606
   (4) 72 654 ( )

3. Which of the following is **not** an equivalent fraction of $\frac{2}{6}$?

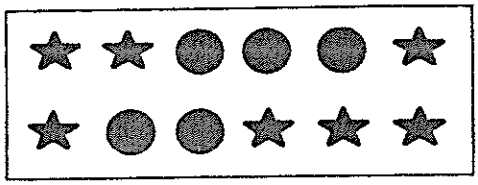
   (1) $\frac{1}{3}$

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

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

   (4) $\frac{4}{12}$ ( )

4. What fraction of the shapes in the box are ● ?



(1) $\frac{5}{7}$

(2) $\frac{5}{12}$

(3) $\frac{7}{5}$

(4) $\frac{7}{12}$ ( )

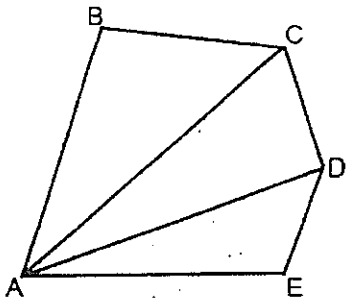
5. The digit 2 in 6.329 stands for 2 _____ .

(1) ones
(2) tenths
(3) hundredths
(4) thousandths ( )

6. Which of the following decimals is the greatest?

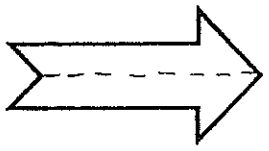
(1) 0.432
(2) 0.396
(3) 0.429
(4) 0.049 ( )

7. In the figure, which two lines below are perpendicular?

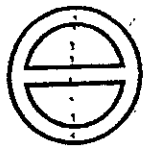


(1) AB and BC
(2) AE and ED
(3) AD and DC
(4) AC and CD ( )

8. Which of the following is not a symmetric figure?

(1) 

(2) 

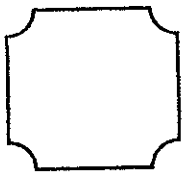
(3) 

(4) 

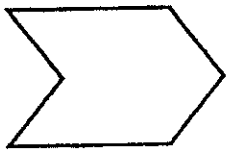
( )

9. Which of the following shapes can be tessellated?

(1)



(2)



(3)

(4)

( )

10. Before going for his jog, Mr Tan spends 10 minutes doing warm-up exercises. After that, he jogs for 15 minutes. Mr Tan wants to finish his jog by 7.00 p.m. What is the latest time he should start doing his warm-up exercises?

(1) 6.35 p.m.
(2) 6.45 p.m.
(3) 6.50 p.m.
(4) 7.25 p.m.

( )

(Go on to Section B)

NAME: _____ ( ) CLASS: Primary 4_____

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 thirteen thousand and eighty-five in figures.

Ans: _____

12. What is the remainder when 4014 is divided by 7?

Ans: _____

13. Some factors of 32 are 1, 2, 4 and 32. What are the other two factors of 32?

Ans: _____

14. How many halves are there in 5 wholes?

Ans: _____

15. What is the value of $\frac{3}{10} + \frac{4}{5}$?

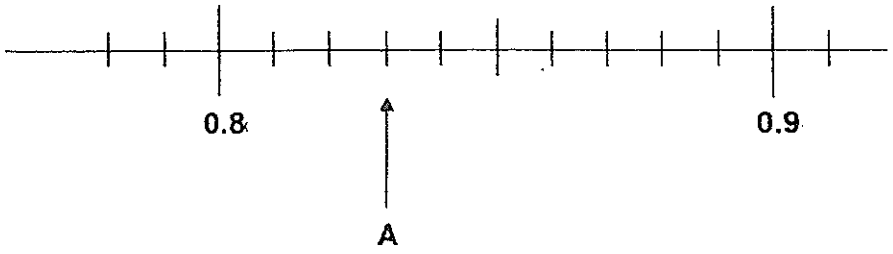
Express your answer as a mixed number.

Ans: _____

16. Find the value of $1 - \frac{2}{9} - \frac{2}{3}$.

Ans: _____

17. Write the decimal represented by A.

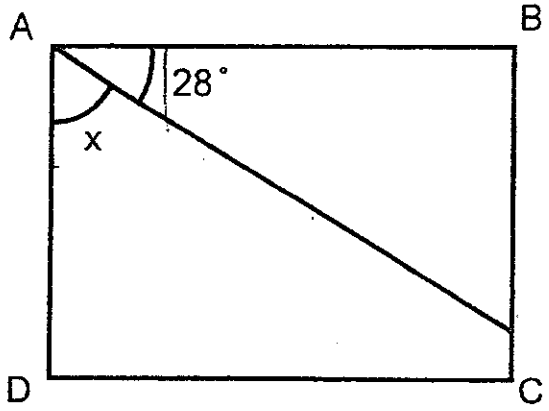


Ans: _____

18. Express 0.2 as a fraction.

Ans: _____

19. In the figure, ABCD is a rectangle. Find the value of $\angle x$.



Ans: _____

20. In 28 576, the digit 8 has the value of 10 x ?

What is the missing number in the box?

Ans: _____

21. What is the second common multiple of 6 and 8?

Ans: _____

22. A bag of rice weighs $\frac{3}{4}$ kg.

What is the total mass of 3 such bags of rice?

Ans: _____ kg

23. There were 96 passengers on a train. The number of female passengers is $\frac{3}{5}$ the number of male passengers. How many male passengers were there on the train?

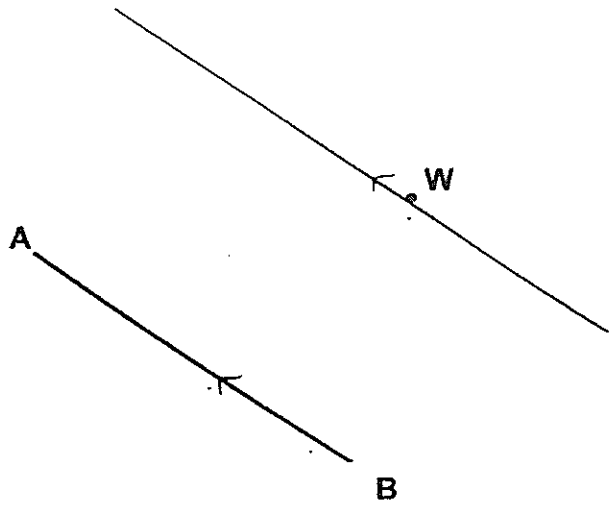
Ans: _____

24. Complete the number pattern.

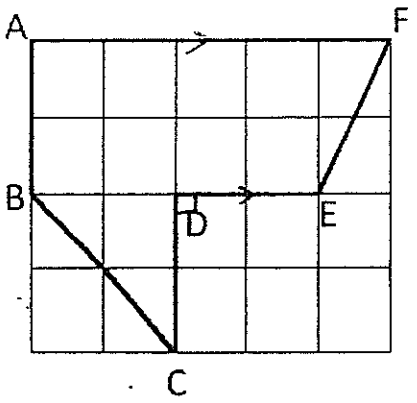
4.1 , $4\frac{1}{20}$, $\boxed{?}$, 3.95 , $3\frac{9}{10}$, 3.85

Ans: _____

25. Draw a line parallel to AB, passing through point W.

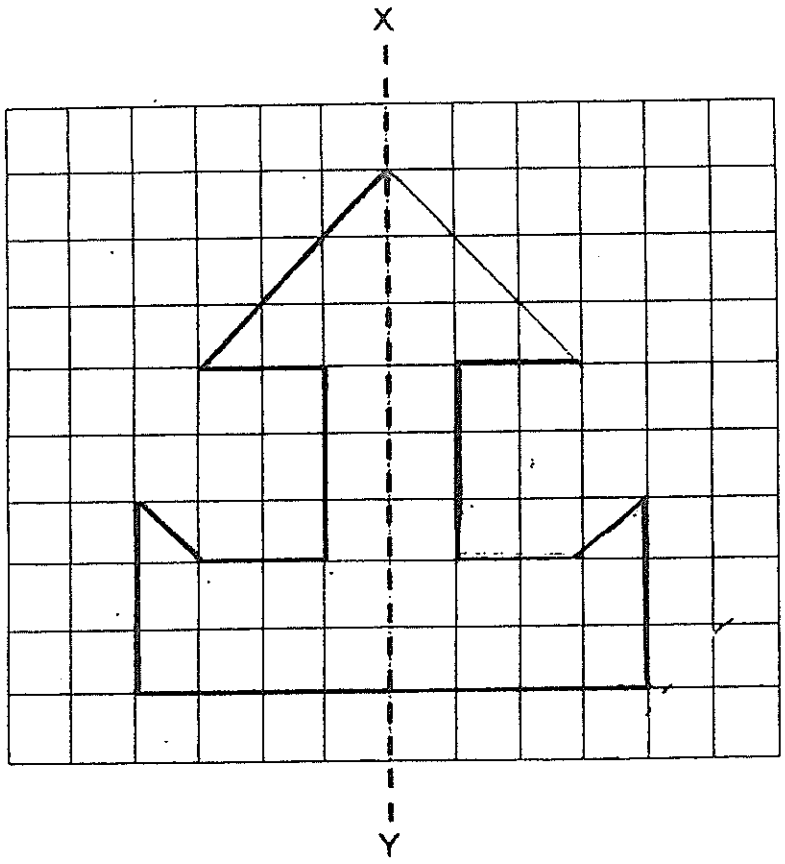


26. Which of the lines in the diagram below is both perpendicular to DC and parallel to AF?

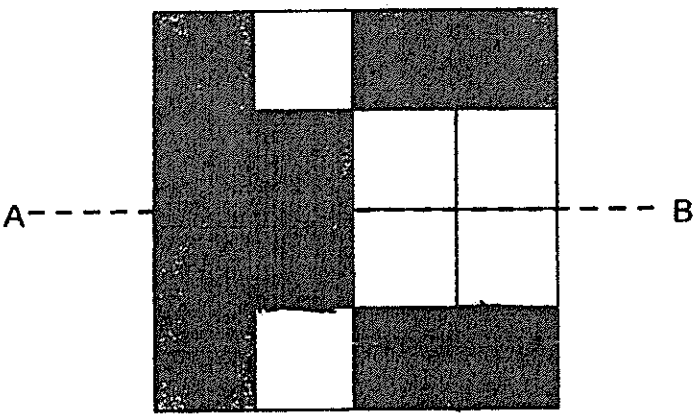


Ans: _____

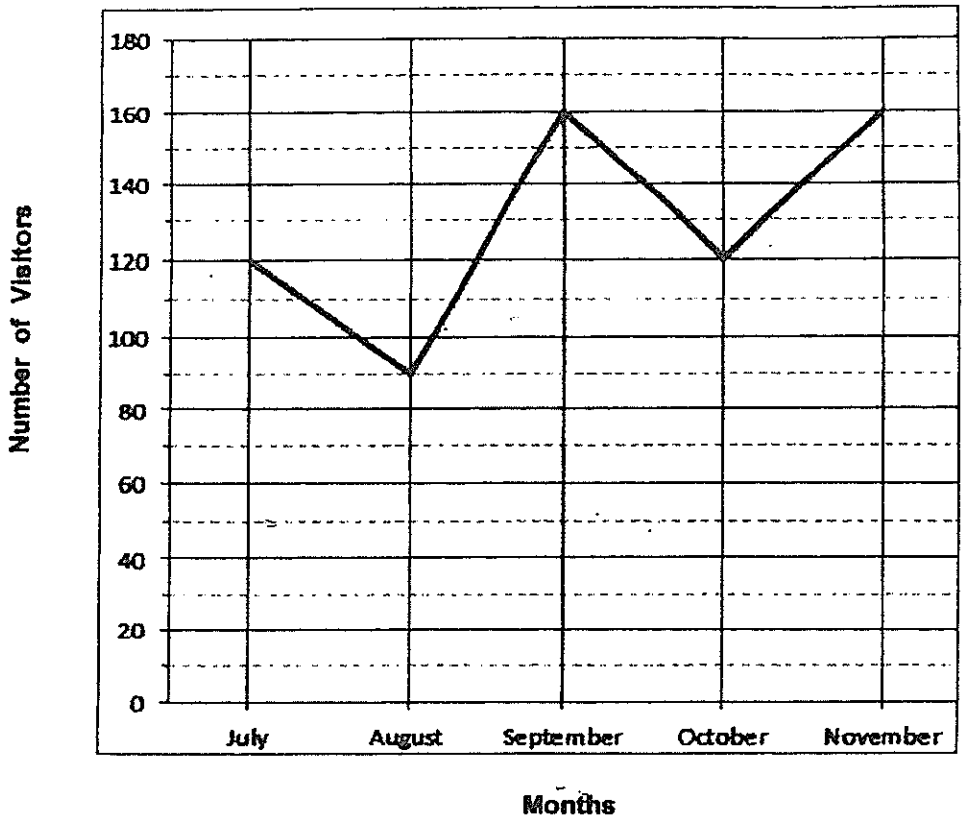
27. The diagram below shows half of a symmetrical figure with XY as the line of symmetry. Draw and complete the symmetric figure.



28. The figure below is made up of squares. Shade **2 more** squares on the figure below so that AB becomes the line of symmetry.



29. The line graph below shows the number of visitors to a museum over five months. Study the graph and answer question 29.



Between which two months did the number of visitors increase the most?

Ans: _____ and _____

30. Sam starts work daily at 08 30 and finishes work at 17 45. In between his work hours, he has a 1-hour lunch break. How long does he work each day?

Ans: _____ h _____ min

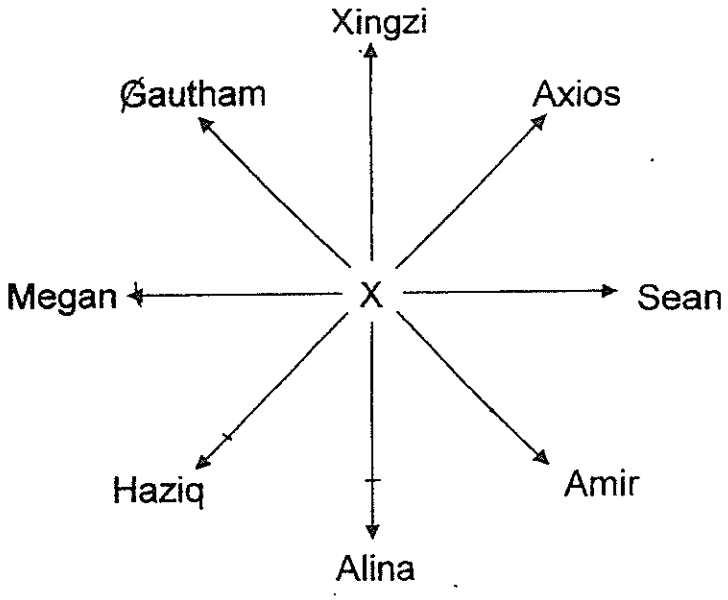
31. This year, Mr Lee is 38 years old and his son is 2 years old. In how many years will he be four times his son's age?

Ans: _____ years

32. Tom is 1.7 m tall and a chair is 0.4 m high. When Tom stands on the chair, he is twice as tall as Jack. How tall is Jack?

Ans: _____ m

33. Tim is now standing at Point X and faces Xingzi. Who will he face after making a $\frac{3}{4}$ - turn in the anti-clockwise direction?



Ans: _____

34. The table below shows the number of story books the Primary 4 pupils read in a week.

Study the table below and answer the question.

Number of story books read	0	1	2	3	4
Number of pupils	20	56	159	29	36

How many pupils read at least 2 story books in a week?

Ans: _____

35. The area of a rectangle is half the area of a square of side 8 cm. Given that the breadth of the rectangle is 4 cm, what is its length?

Ans: _____ cm

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 working 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. Alan poured some water into two jugs. The first jug contained 3.25 litres of water. The second jug contained 1.35 litres less water than the first jug. What was the total amount of water in the two jugs?
Round off your answer to 1 decimal place.

Ans: _____ [3]

37. Shayna, Alyssa and Joy shared a box of cookies. Shayna took $\frac{1}{4}$ of the cookies, Alyssa took $\frac{1}{12}$ of the cookies and Joy took the rest. Given that Joy took 868 more cookies than Alyssa, find the number of cookies in the box at first.

Ans: _____ [4]

38. Anna, Brenda and Chloe each bought a book. The total cost was $55.

Anna's book cost $7.50 more than Brenda's book.

Brenda's book cost $\frac{1}{3}$ as much as Chloe's.

How much did Brenda's book cost?

Ans: _____ [3]

39. Alice collected 205 seashells while Belinda collected 87 seashells. How many seashells must Alice give to Belinda so that Belinda will have 12 more seashells than Alice?

Ans: _____ [4]

40. After 9 girls shared 5 bags of sweets equally, 4 sweets were left.

a) If each girl received 24 sweets, how many sweets were there at first?

b) If each bag had the same number of sweets, how many sweets were there in each bag?

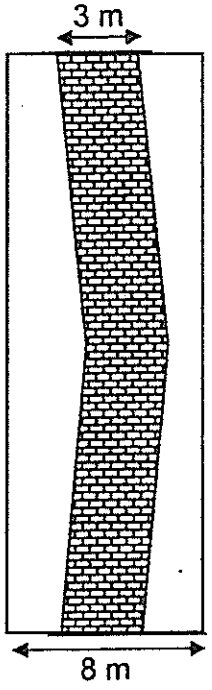
Ans :a) _____ [2]

Ans: b) _____ [2]

41. Mr Lee had 280 red and white shirts for sale. After selling 109 white shirts and $\frac{1}{5}$ of the red shirts, he had an equal number of red and white shirts left. How many red shirts did he have for sale at first?

Ans: _____ [4]

42. The perimeter of a rectangular garden is 64 m.
The breadth of the rectangular garden is 8 m.
Mr Tan tiled a 3 m wide path as shown in the figure.
The tiling cost $95 per square metre.
How much did Mr Tan have to pay to tile the path?



Ans: _____ [4]

EXAM PAPER 2014
LEVEL : PRIMARY 4
SCHOOL : HENRY PARK
SUBJECT : MATHS
TERM : SA2

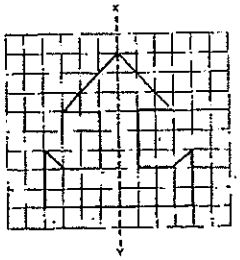
Section A

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

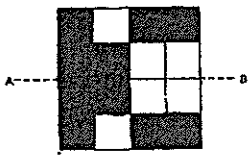
Section B

Q11 13085
Q12 3
Q13 6, 8
Q14 10
Q15 $1\frac{1}{10}$
Q16 $\frac{1}{9}$
Q17 0.83
Q18 $\frac{2}{10}$
Q19 62°
Q20 800
Q21 48
Q22 2.25kg
Q23 60
Q24 4
Q25

Q26 DE
Q27



Q28



Q29 August and September
Q30 8 h 15 min
Q31 10 years
Q32 1.05m
Q33 Sean
Q34 224
Q35 8cm

Section C

Q36 $3.25\ell - 1.35\ell = 1.90\ell$
$1.90\ell + 3.25\ell = 5.15\ell$
$5.15\ell \approx \mathbf{5.2\ell}$

Q37 8 unit – 1 unit → 7 unit
7 unit → 868
1 unit → 124
124 x 12 = **1488**

Q38 \$55 = \$7.50 = \$47.50
\$47.50 ÷ 5 = **\$9.50**

Q39 205 + 87 = 292
292 – 12 = 280
280 ÷ 2 = 140
205 – 140 = **65**

Q40 (a) 24 x 9 = 216
216 + 4 = **220**
(b) 220 ÷ 5 = **44**

Q41 280 – 109 = 171
171 ÷ 9 = 19
19 x 5 = **95**

Q42 64cm – 8cm – 8cm = 48cm
48cm ÷ 2 = 24cm
24cm x 8cm = $192cm^2$
24cm x 5 cm= $120cm^2$
$192cm^2 - 120cm^2 = 72cm^2$
$72cm^2$ x \$95 = **\$6840**

Q43 13.9kg x 7 = 97.3kg
116.5kg – 97.3kg = 19.2kg
19.2kg ÷ 2 = 9.6
13.9kg – 9.6kg = **4.3kg**